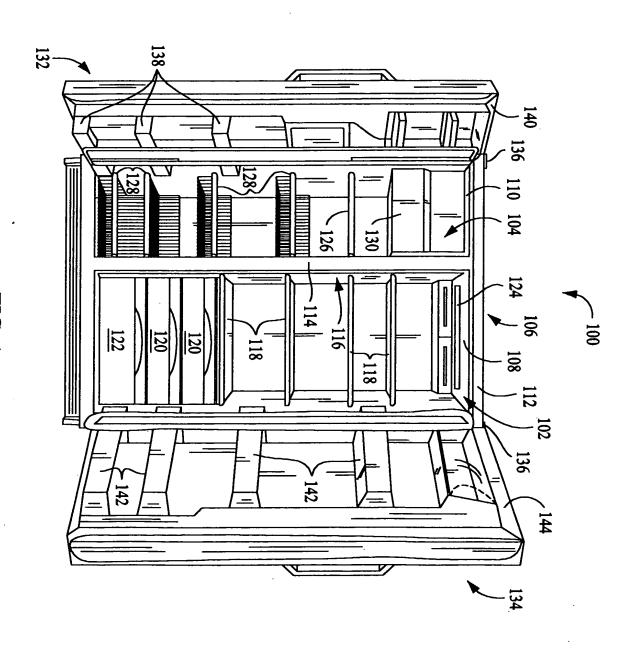


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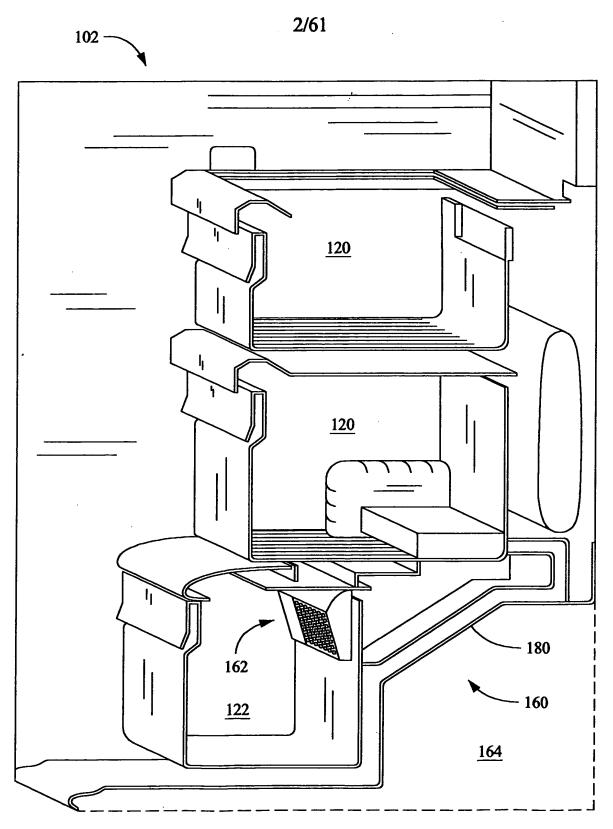


FIG. 2



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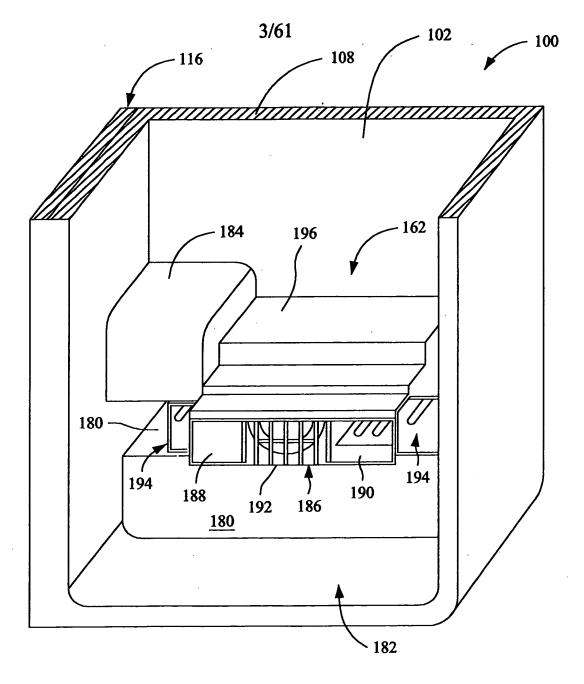
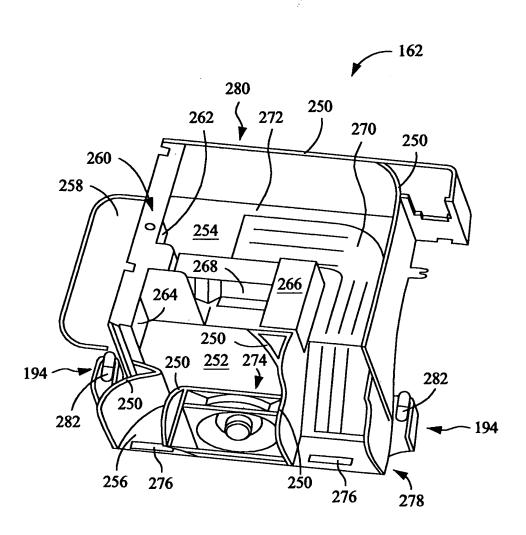


FIG. 3



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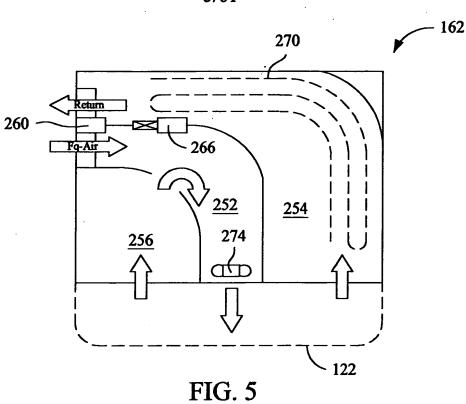
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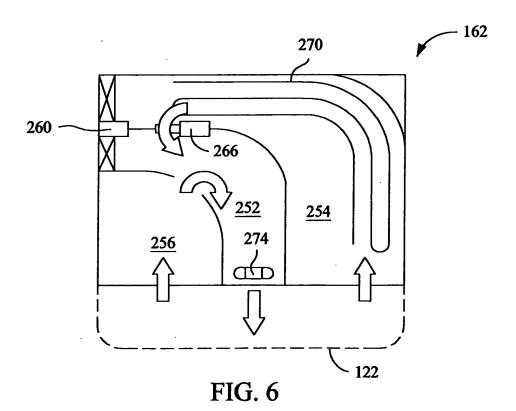




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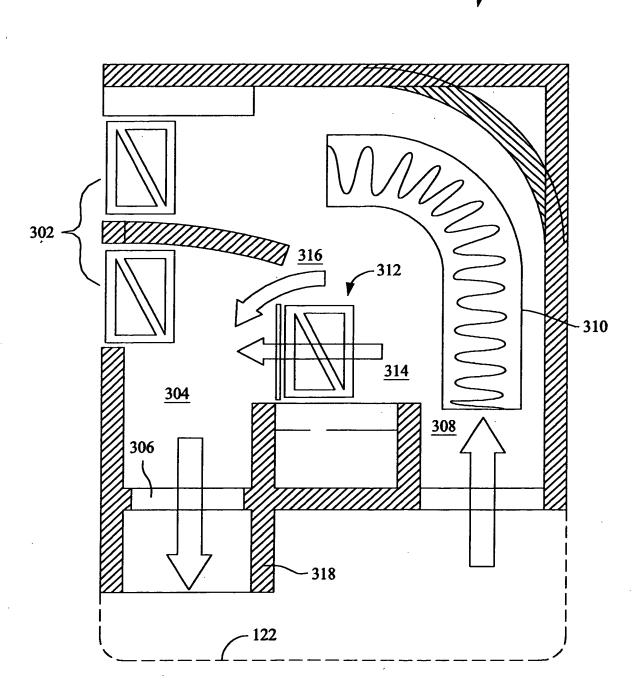


FIG. 7



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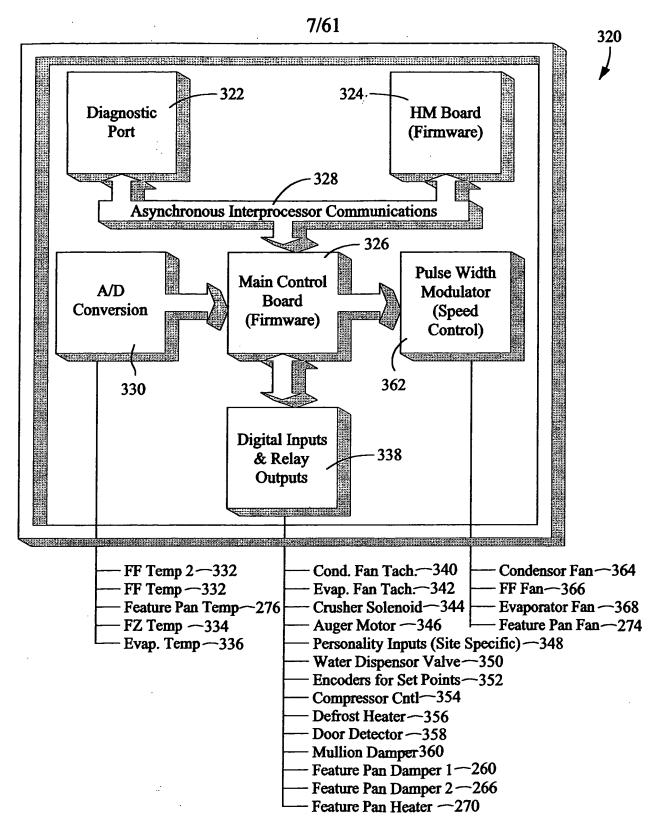


FIG. 8



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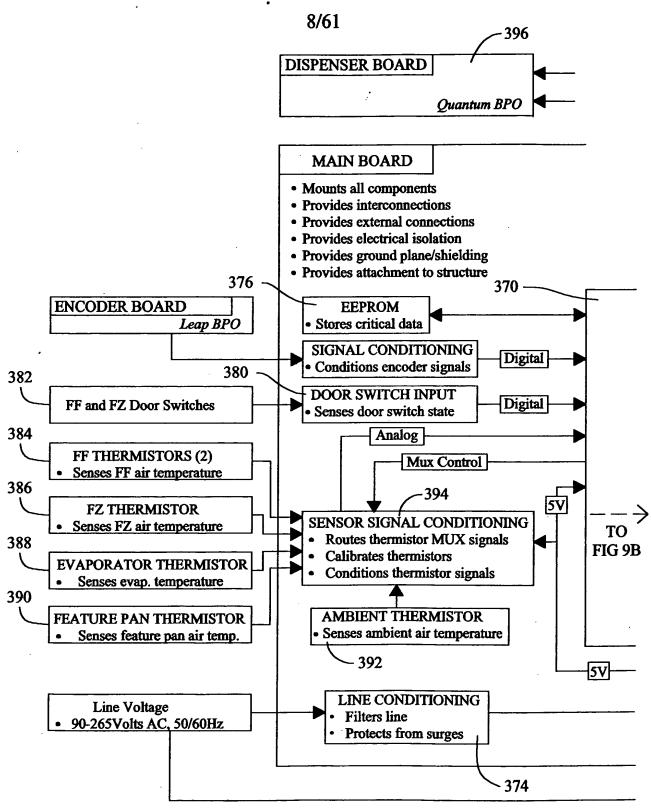


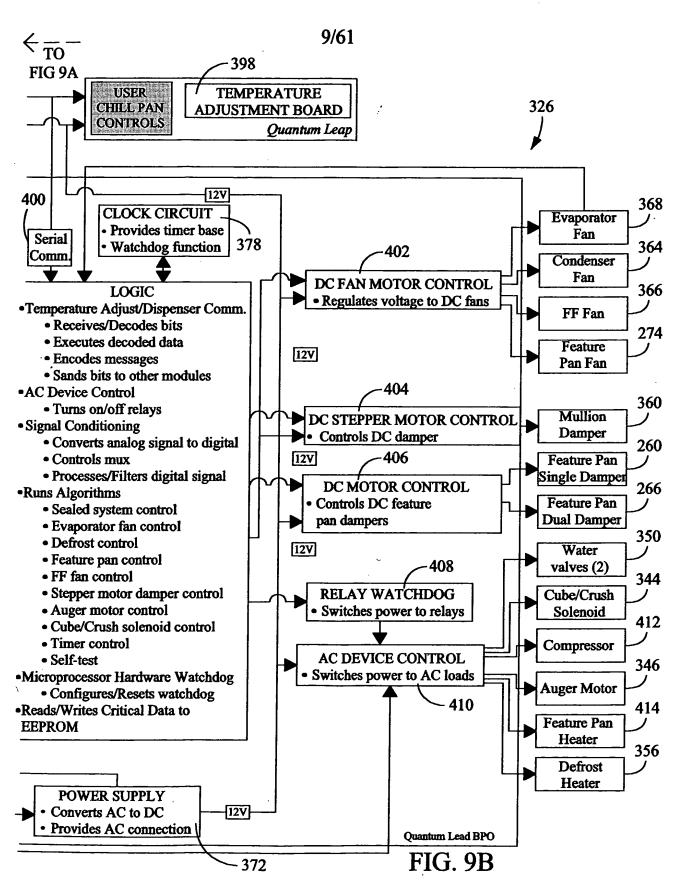
FIG. 9A

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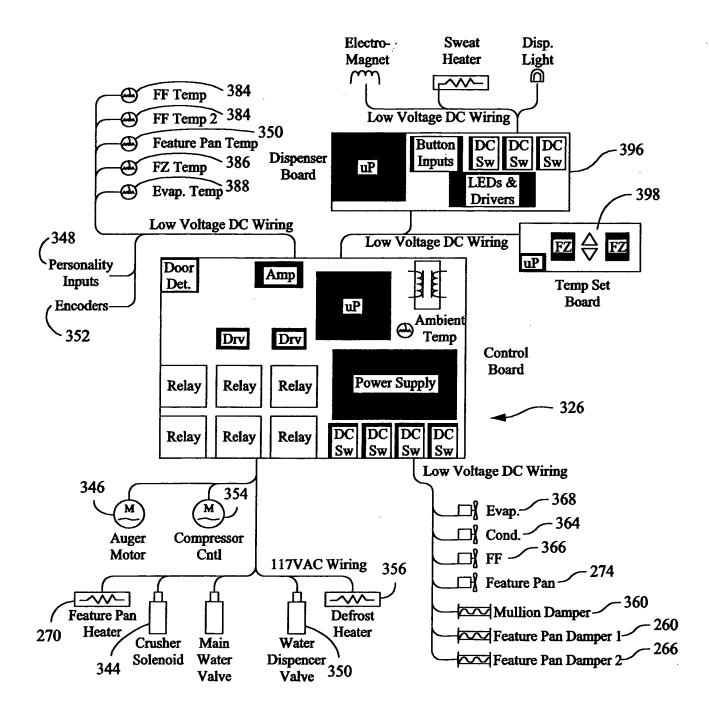
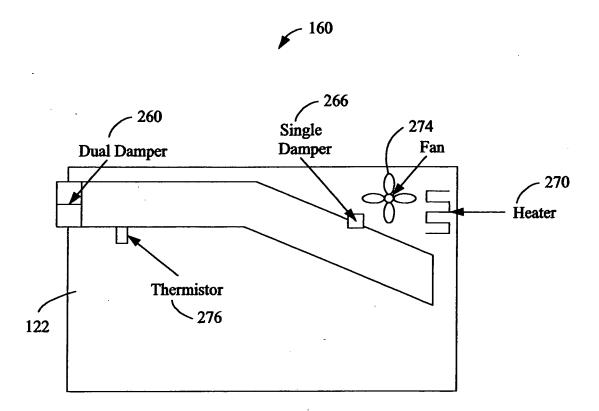


FIG. 10



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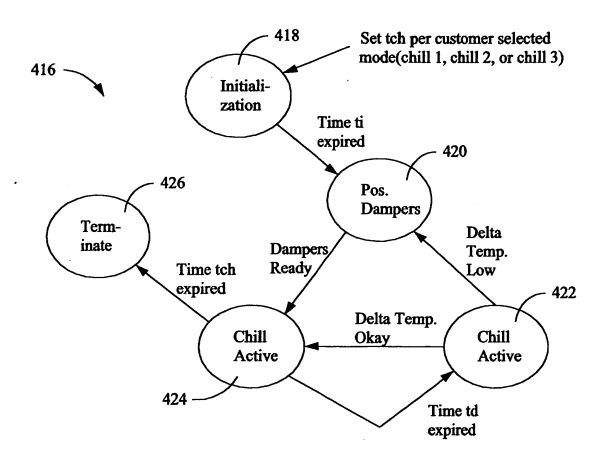
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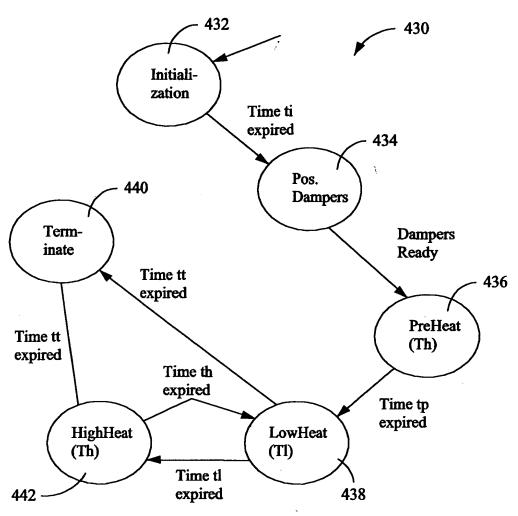




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Initialization: Shuts off heater and turns on fan. This mode is implemented so that the customer interface LED that is wired in parallel with the fan will turn on as soon as the button is hit. Time ti is the initialization time and will typically be approximately one minute.

Pos. Dampers: This state shuts off the fan, sets the single damper open then closes the dual damper. It then turns the fan back on. This is done for power management

PreHeat: This state regulates the pan temperature

LowHeat

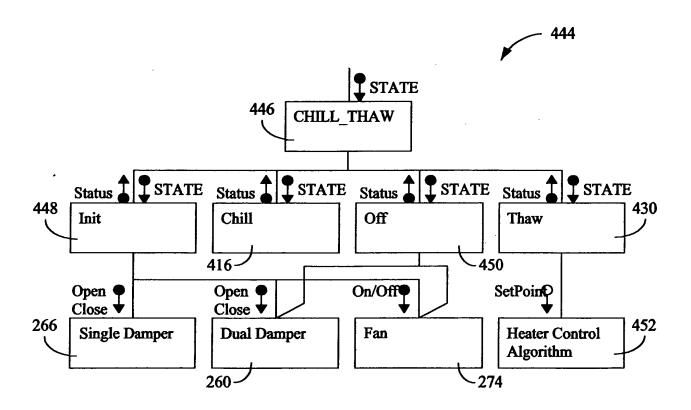
HighHeat:

Terminate: This mode closes both dampers and shuts off the fan then returns to idle.



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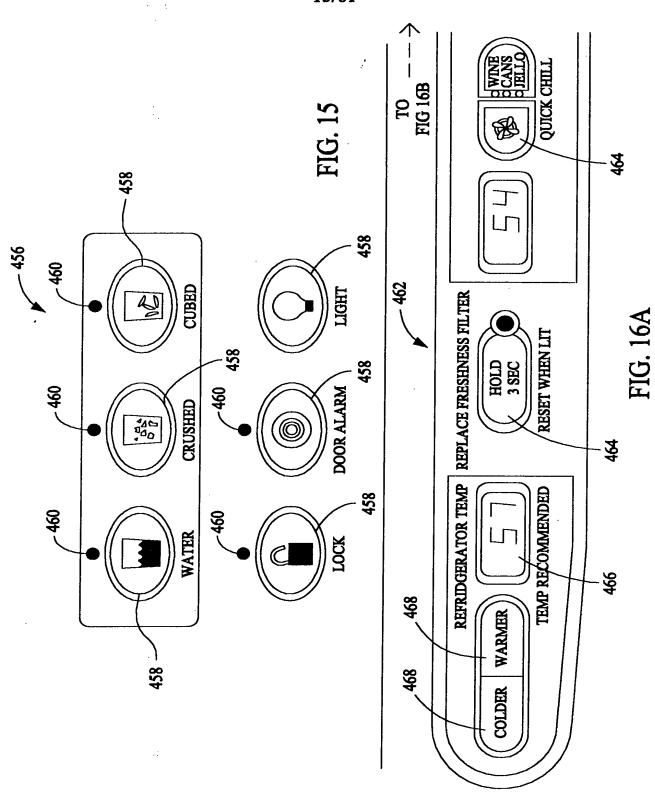
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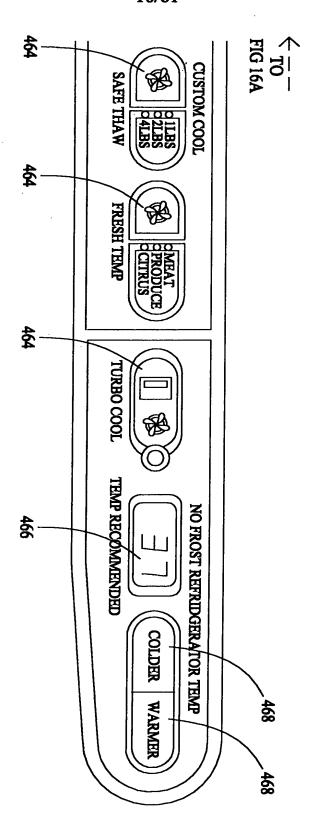
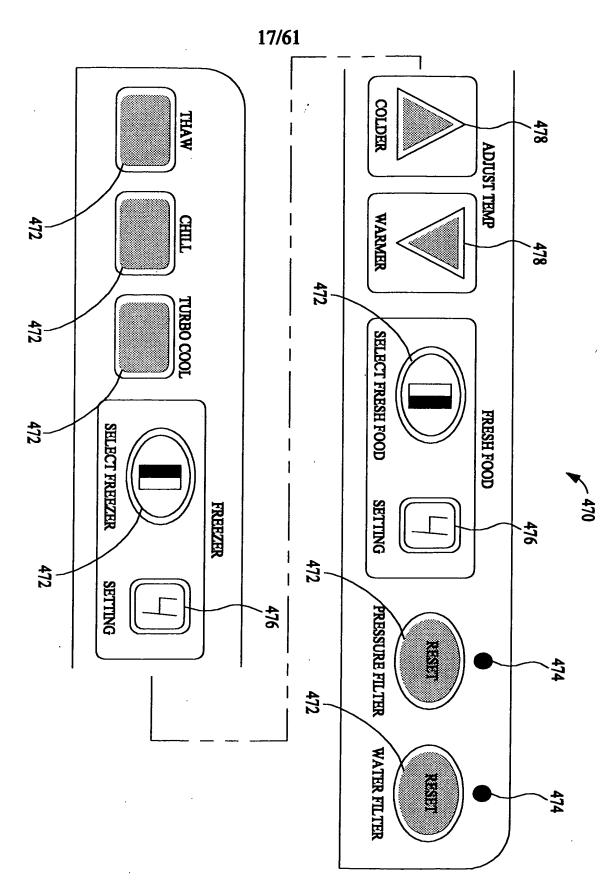


FIG. 16B



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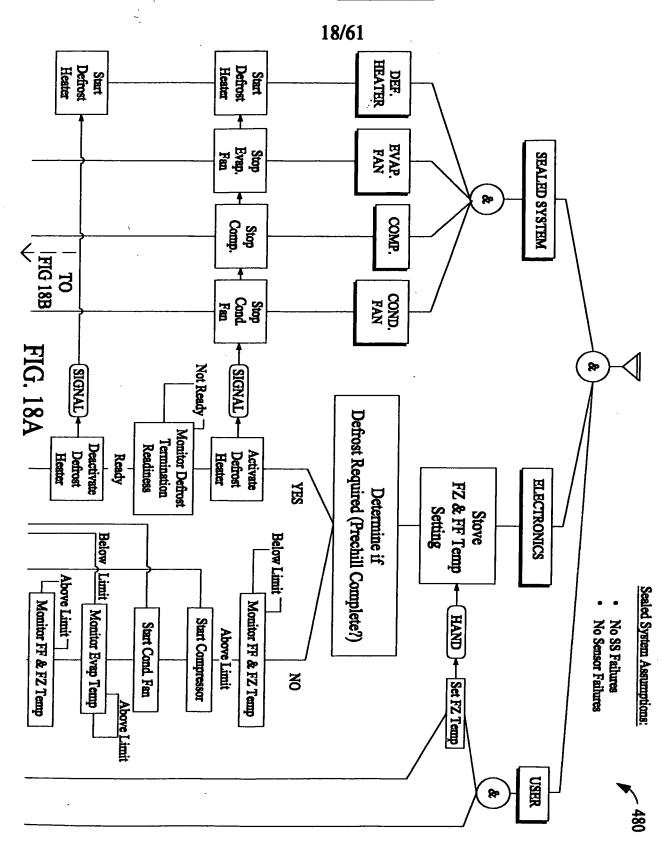
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IG. 17



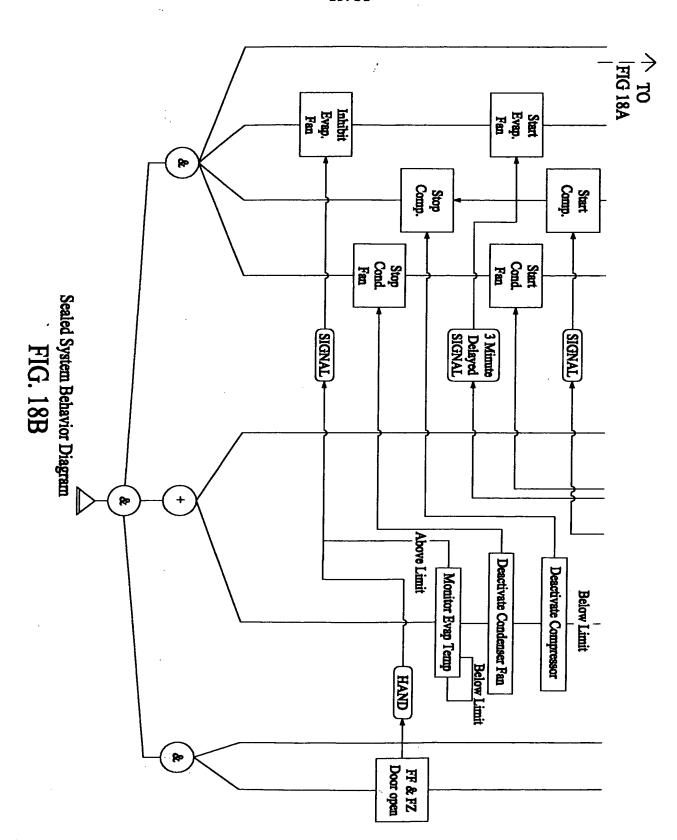
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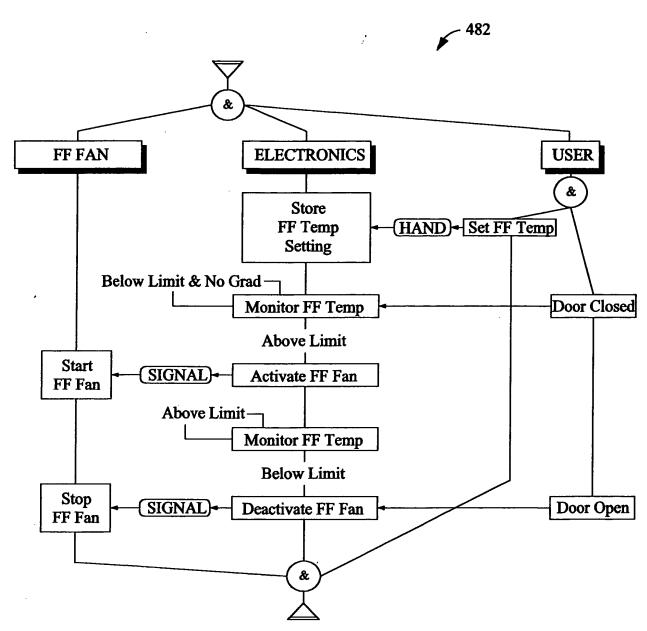
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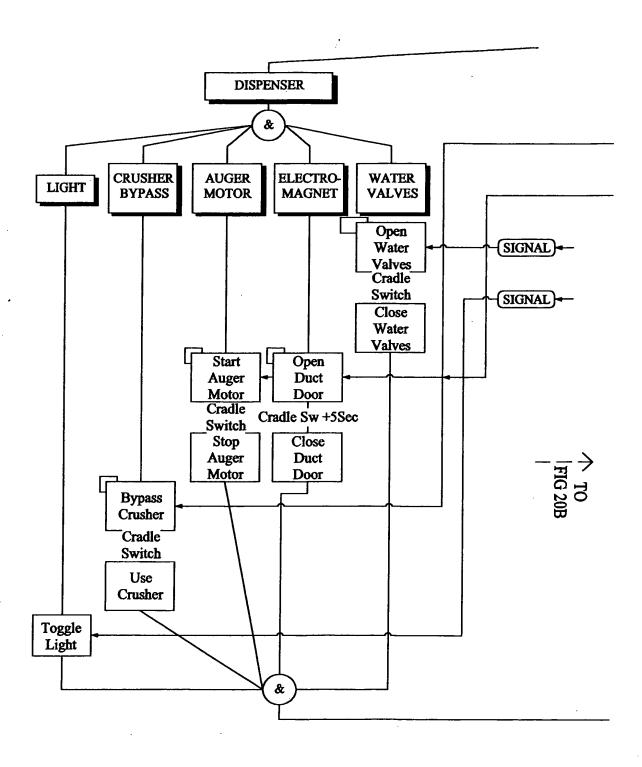


Fresh Food Fan Behavior Diagram



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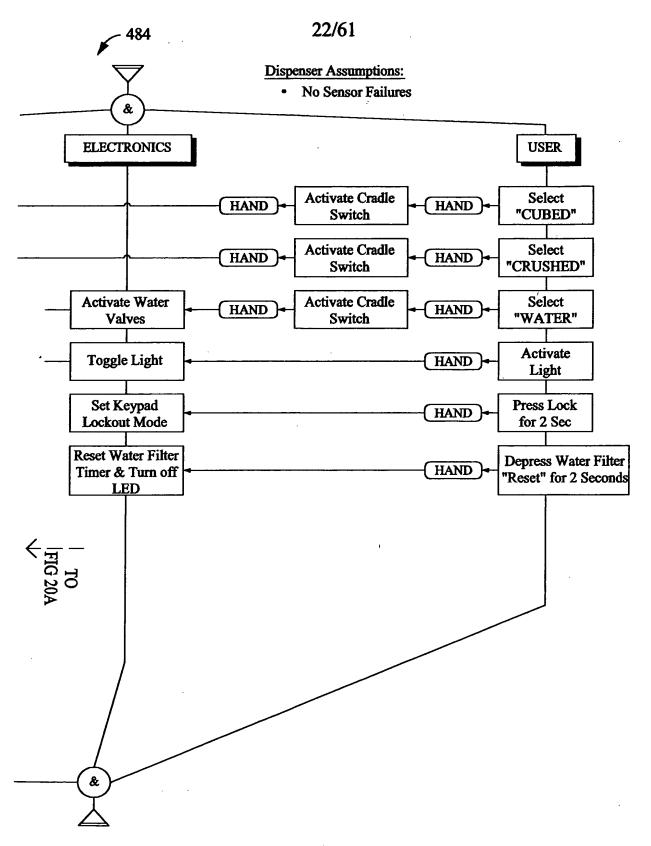


FIG. 20B



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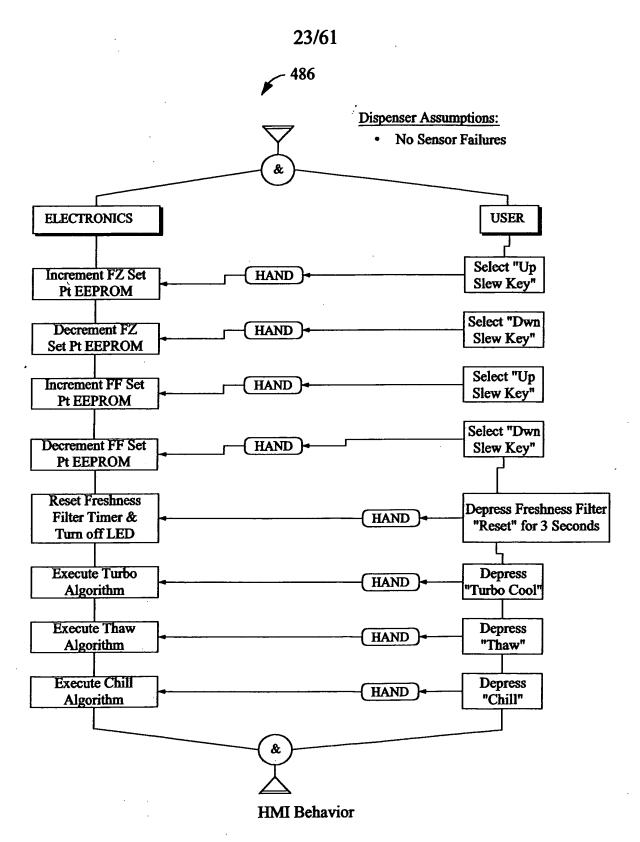
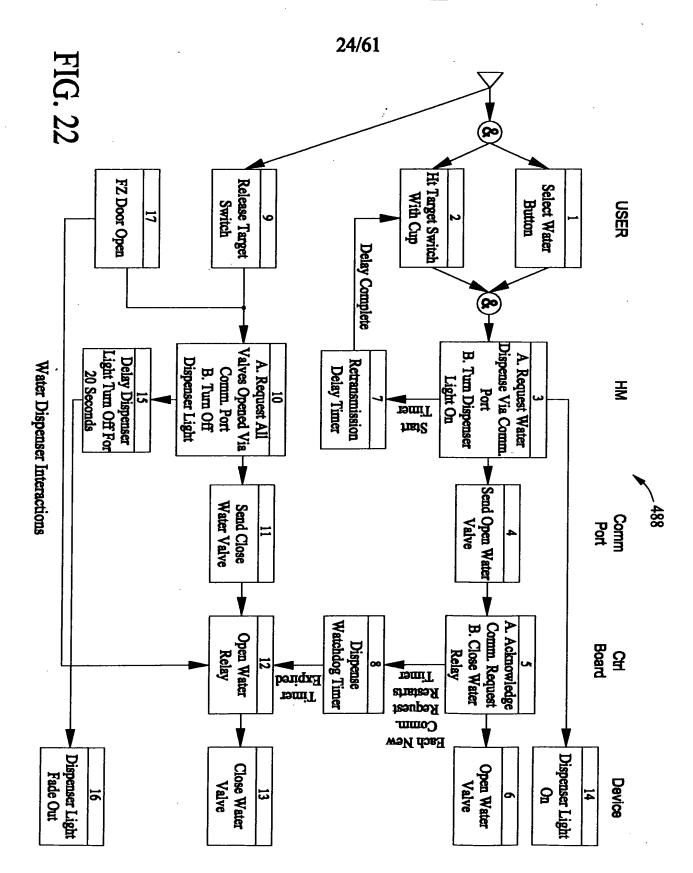


FIG. 21

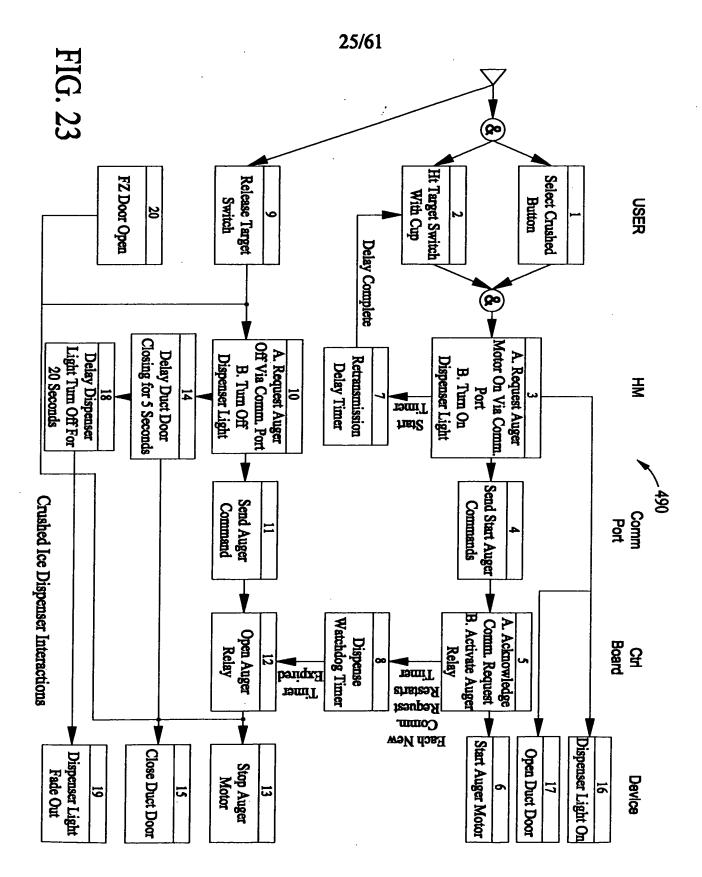


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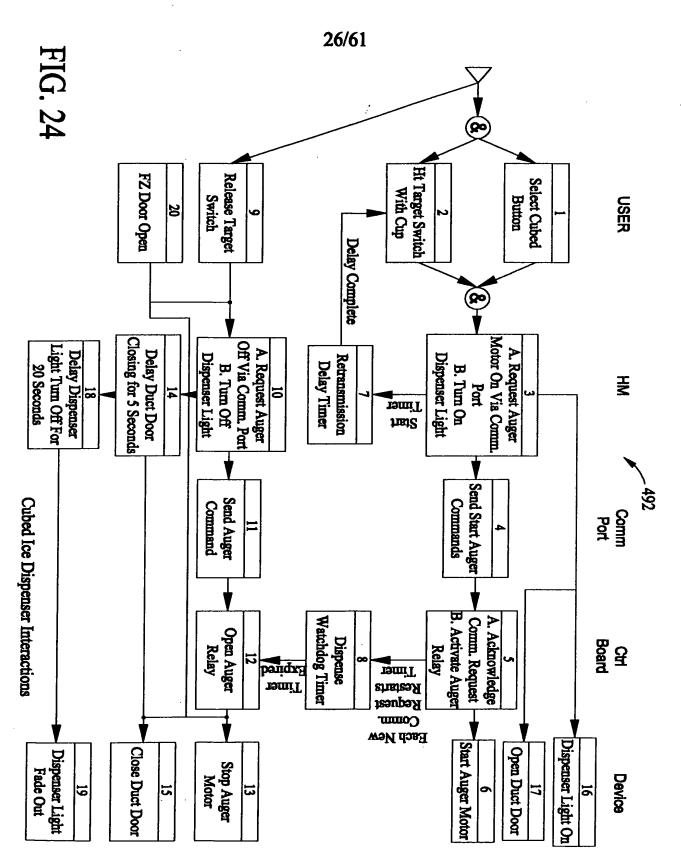


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NOTE: Setpoint Selected implies that the final selection has been made and that the selection has timed out.

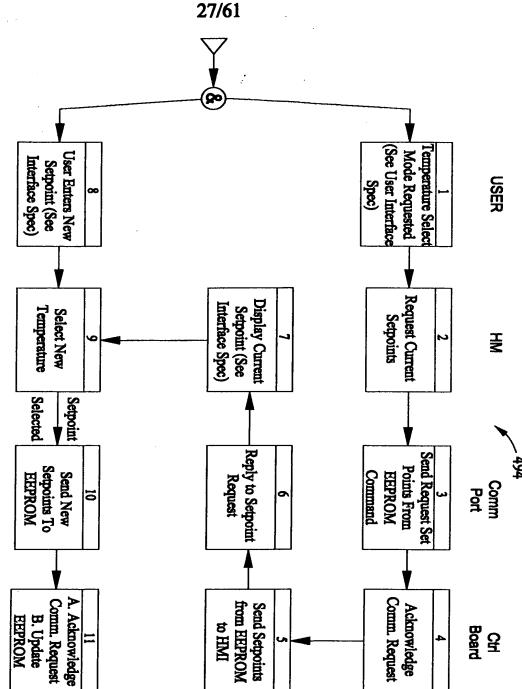
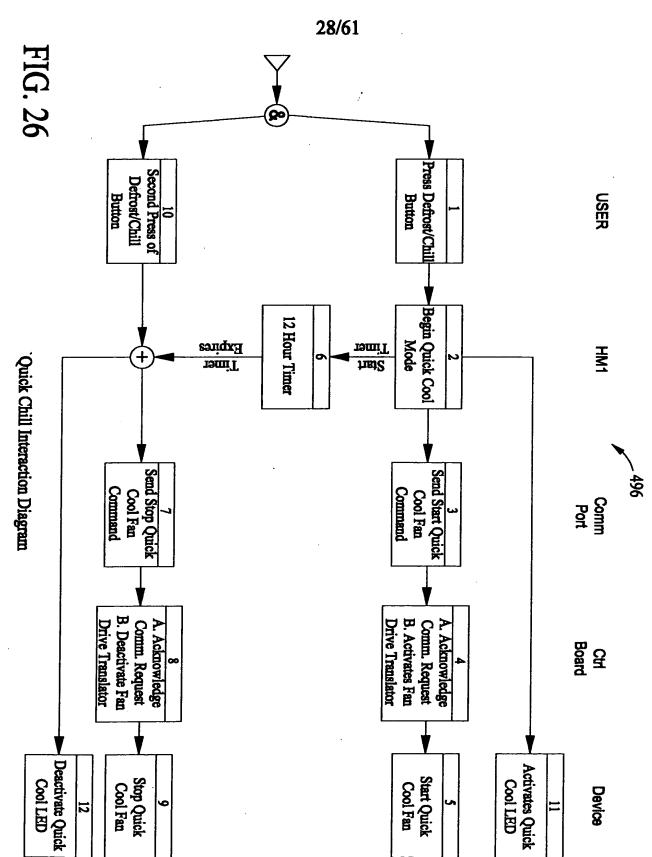


FIG. 25

Temperature Setting Interaction Diagrams

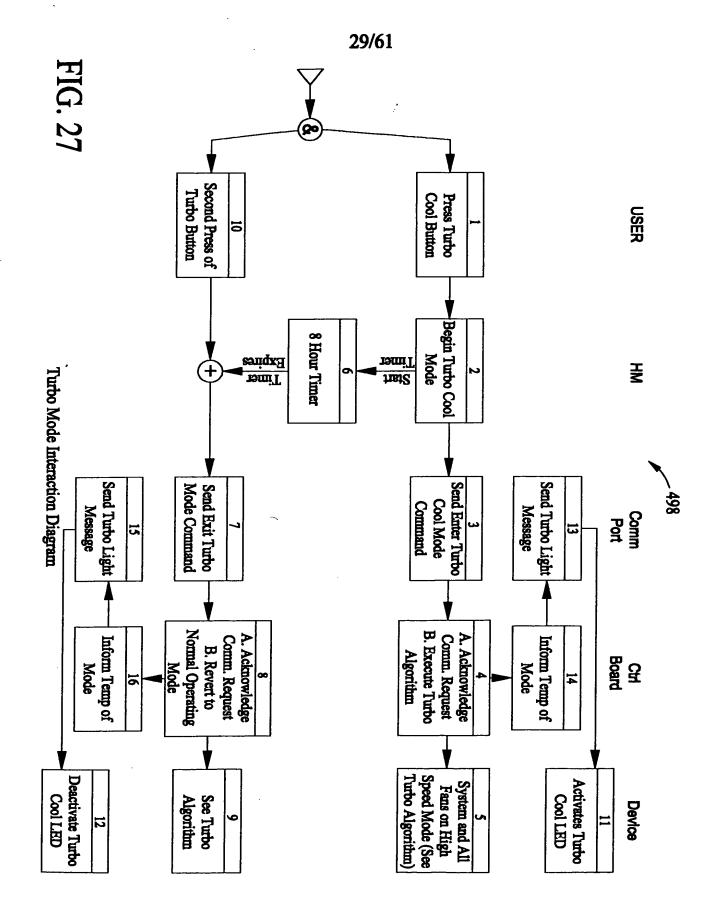


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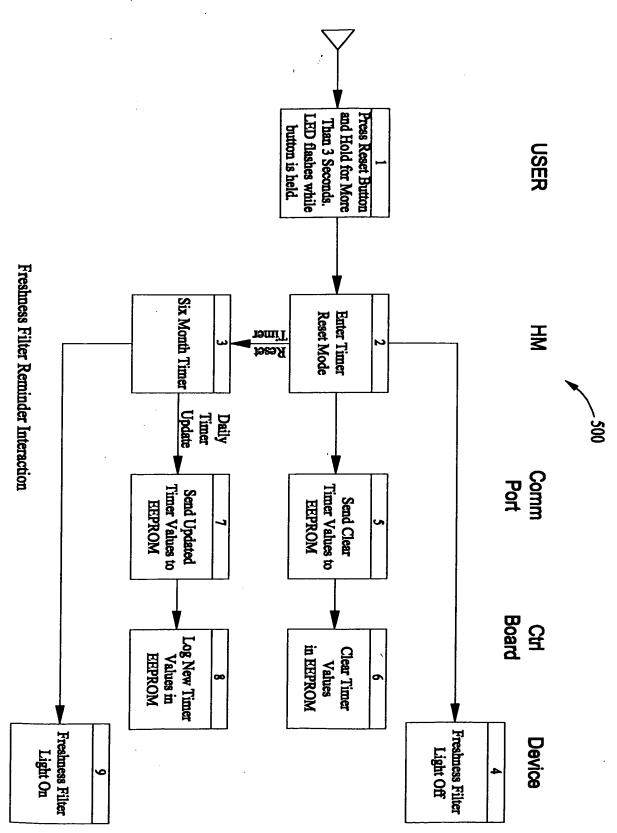
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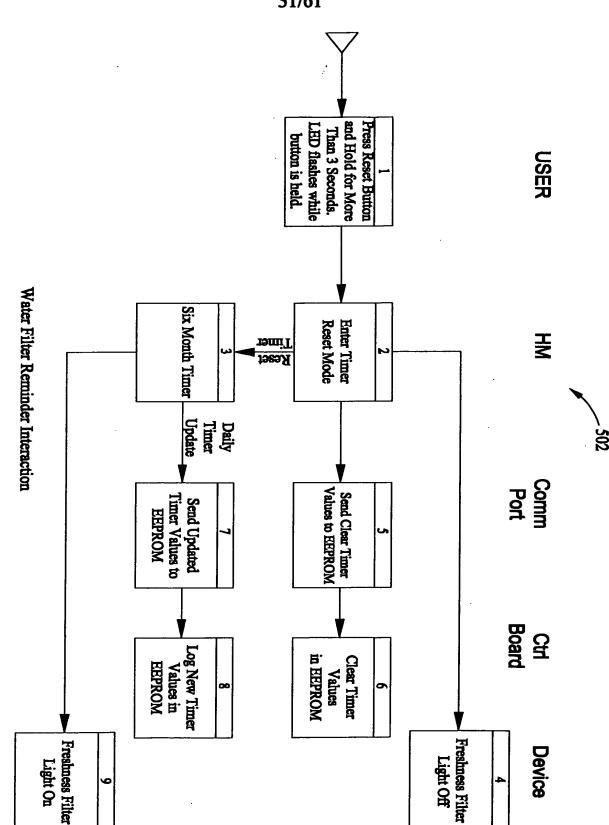


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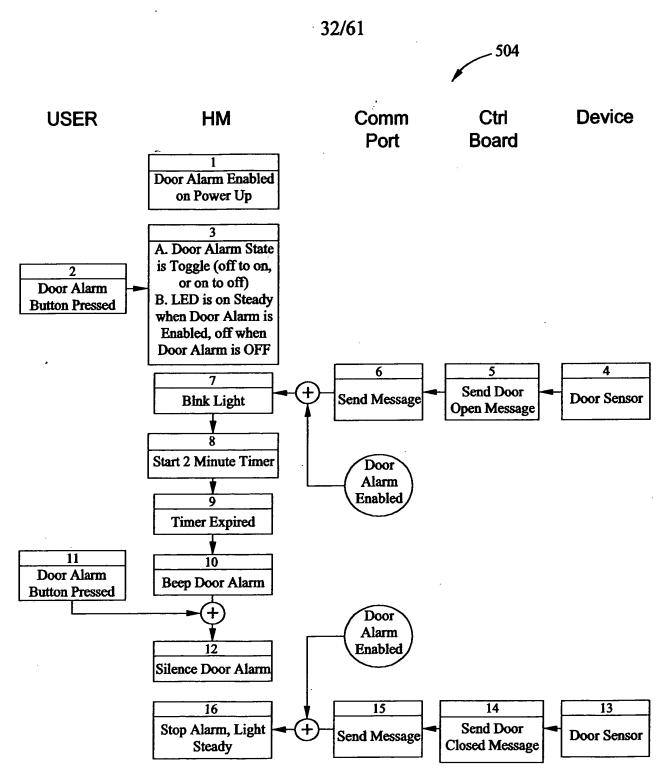






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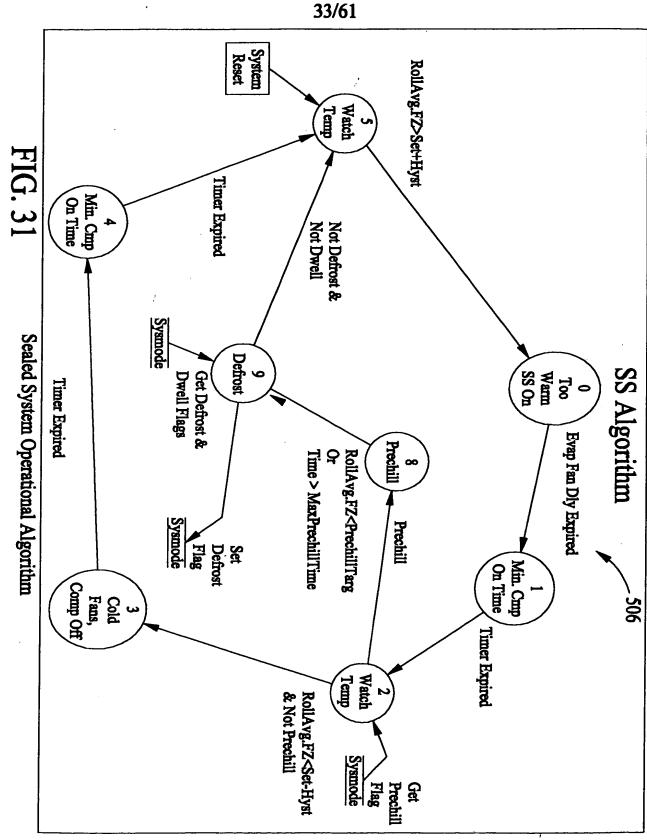
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Door Open Interaction Diagram



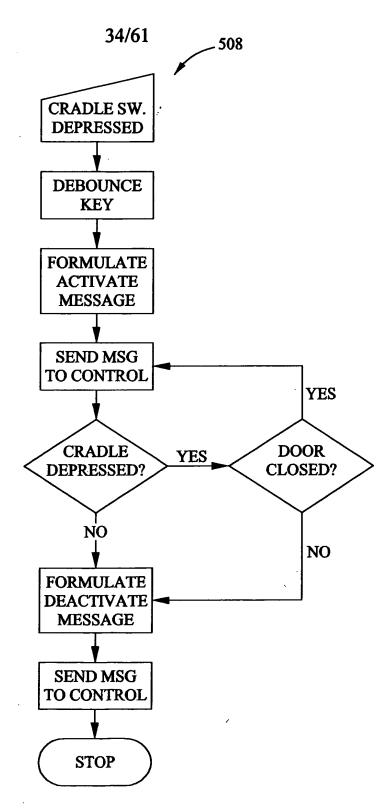
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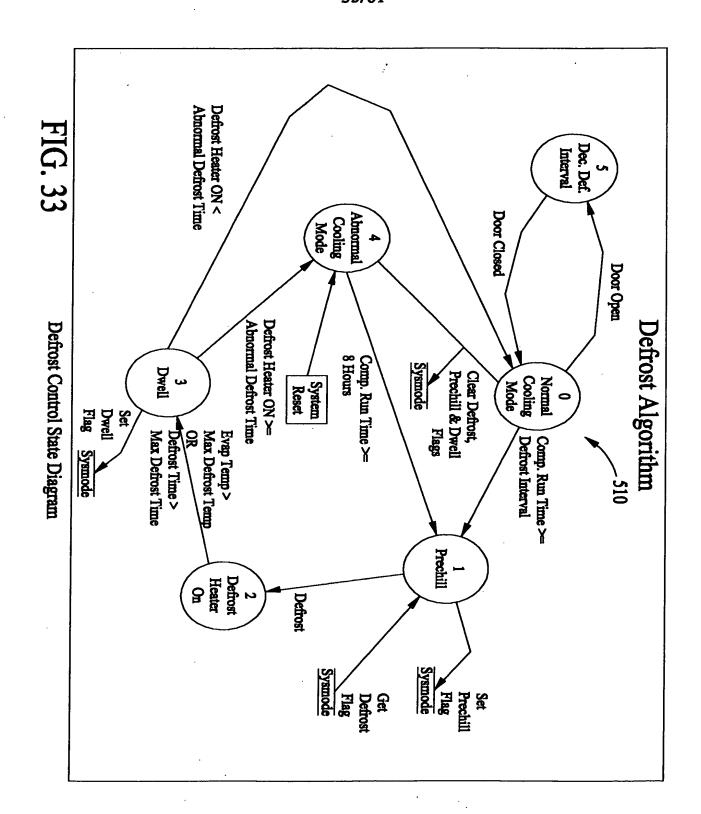
Dispenser Control Algorithm

FIG. 32



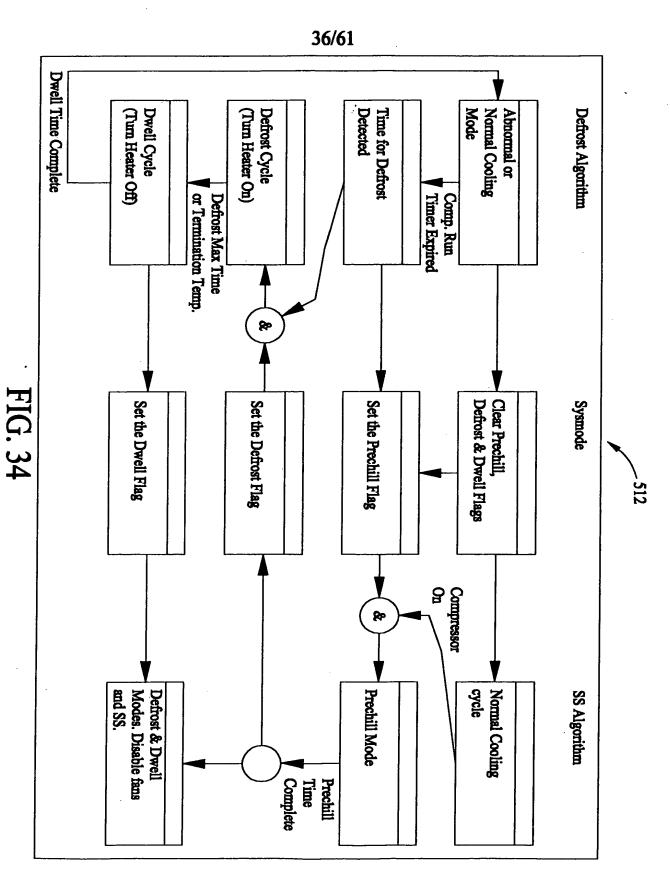
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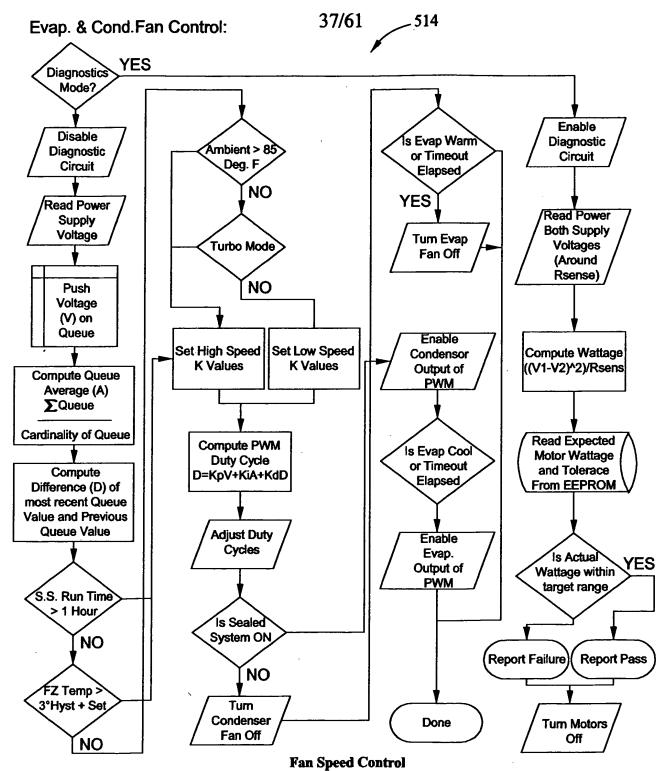
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Notes: 1. The FF & Evaporator fans will shut off for the first five minutes that the door is open 2. Only one fan at a time can be on at a time during diagnostics.

3. Once the fan has been switched to high speed, it remains in that state until the operational cycle is complete. FIG. 35



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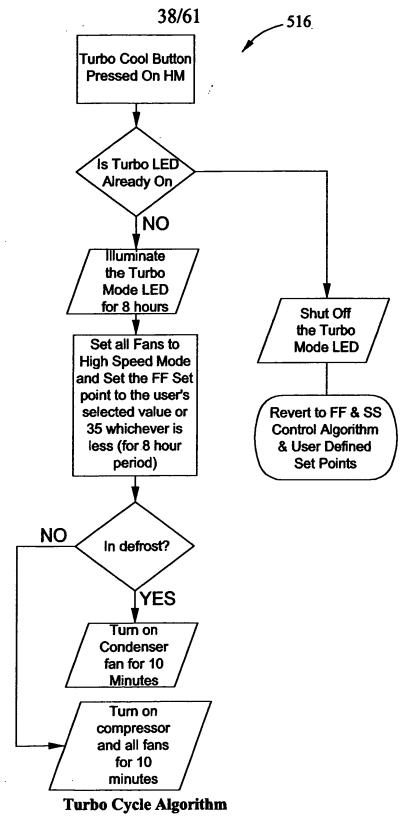
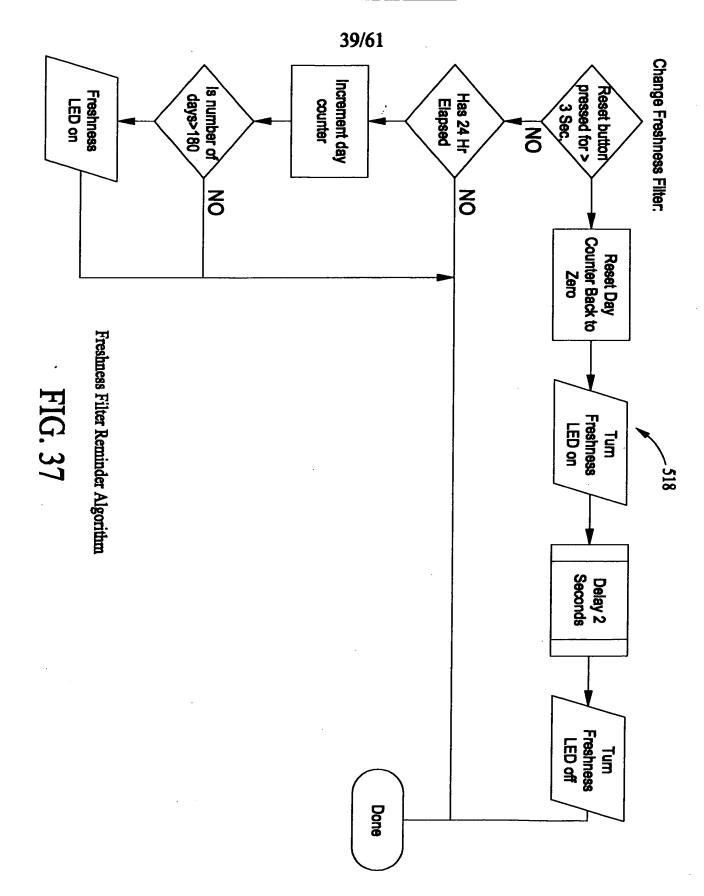


FIG. 36

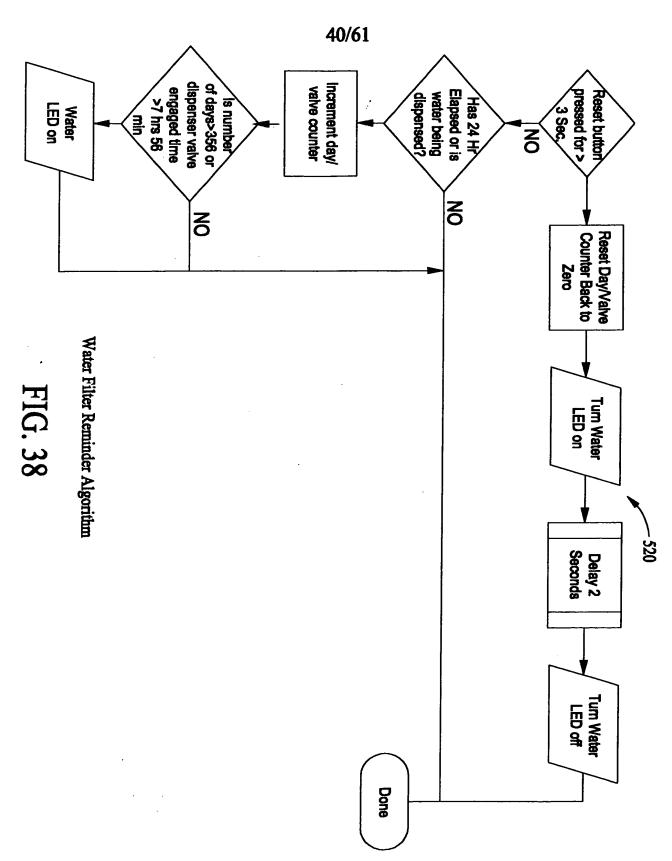


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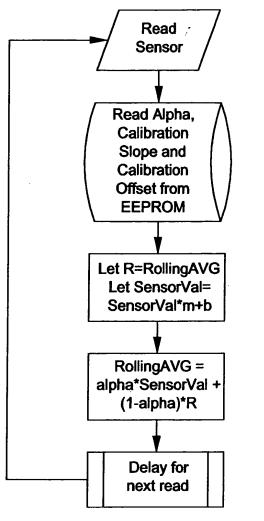




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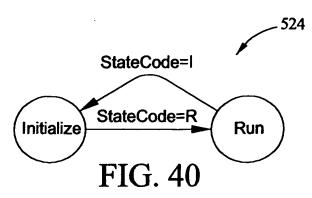


NOTE:

Sensor Reading Algorithm

Fresh food average uses this algorithm twice to create a 2nd pole filter.

FIG. 39





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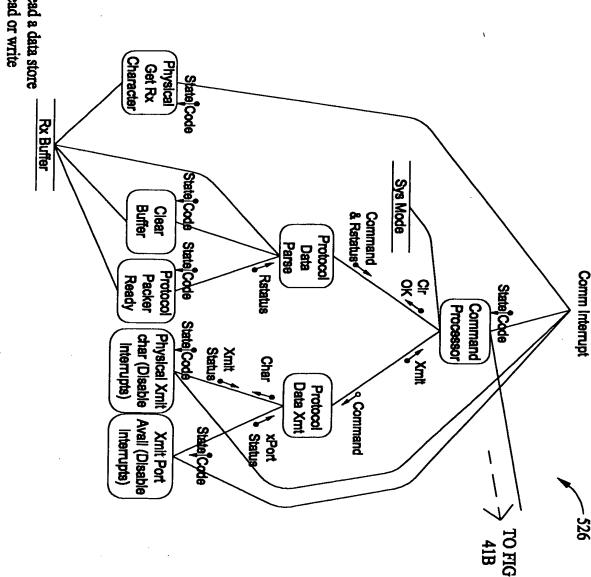
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Note: Any Routine is allowed to read a data store
The command processor can read or write

The command processor can read or write any data store.

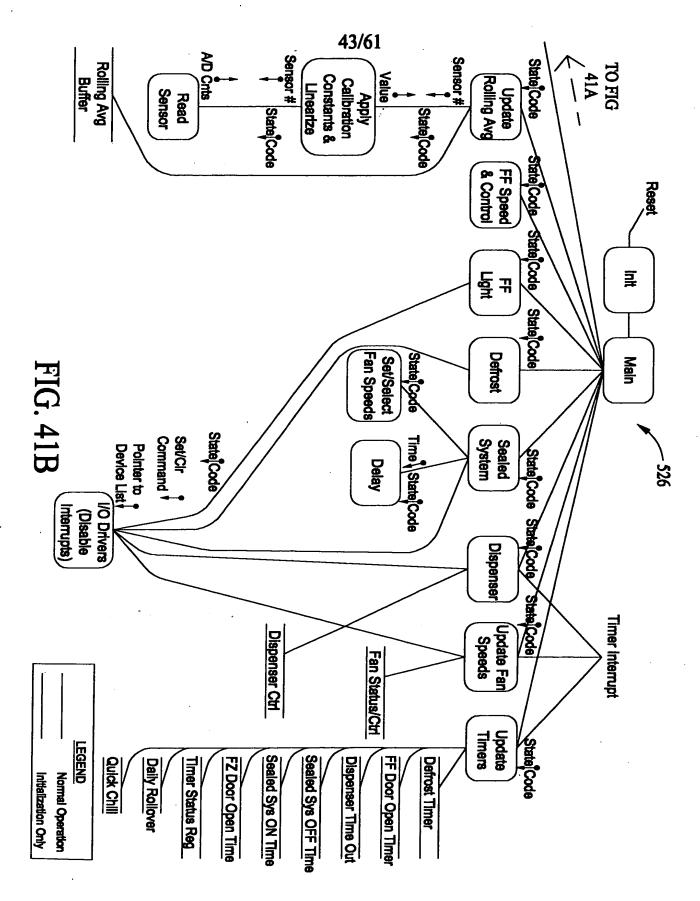
Dashed line indicates a path for initialization only

FIG. 41A





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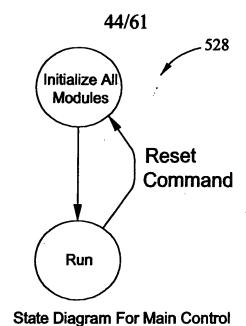
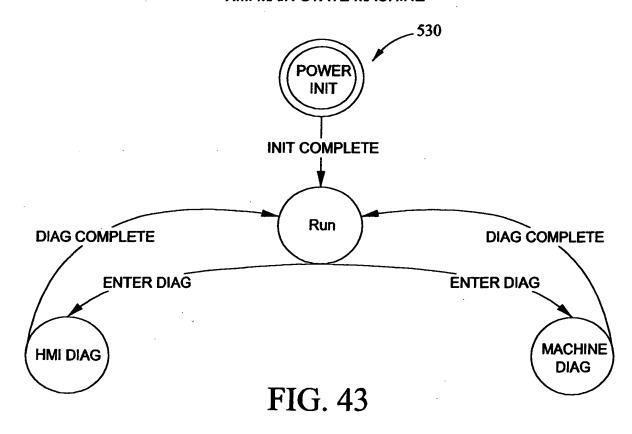


FIG. 42

HMI MAIN STATE MACHINE

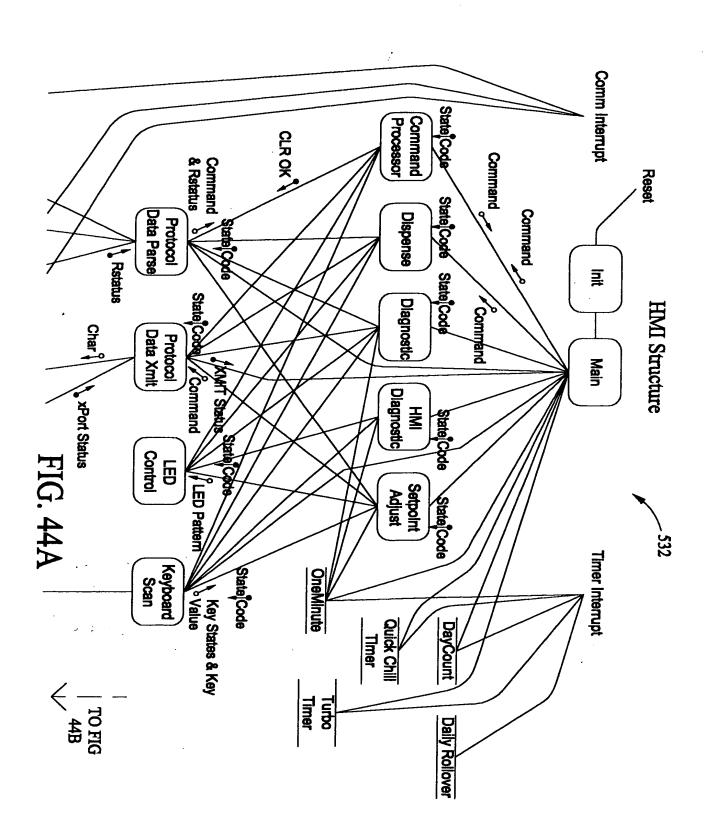




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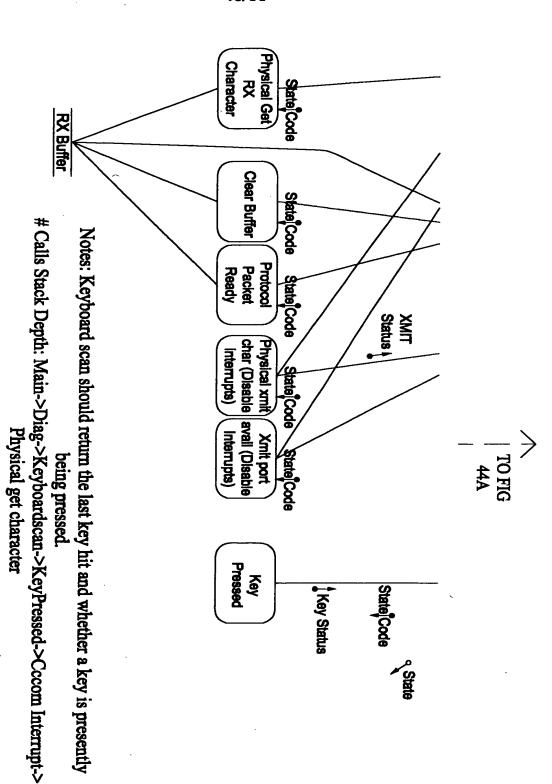
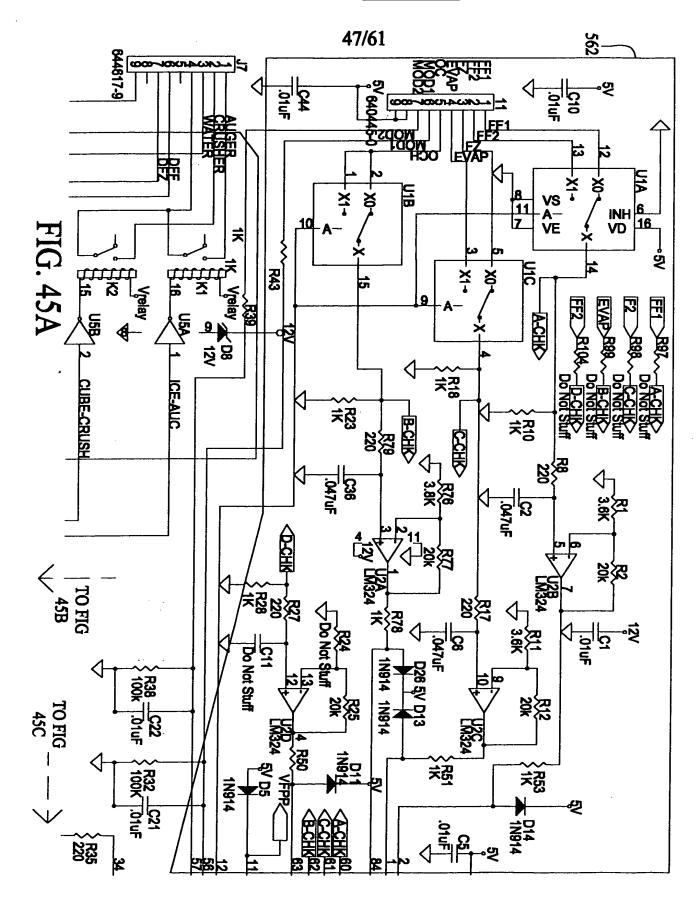


FIG. 44B

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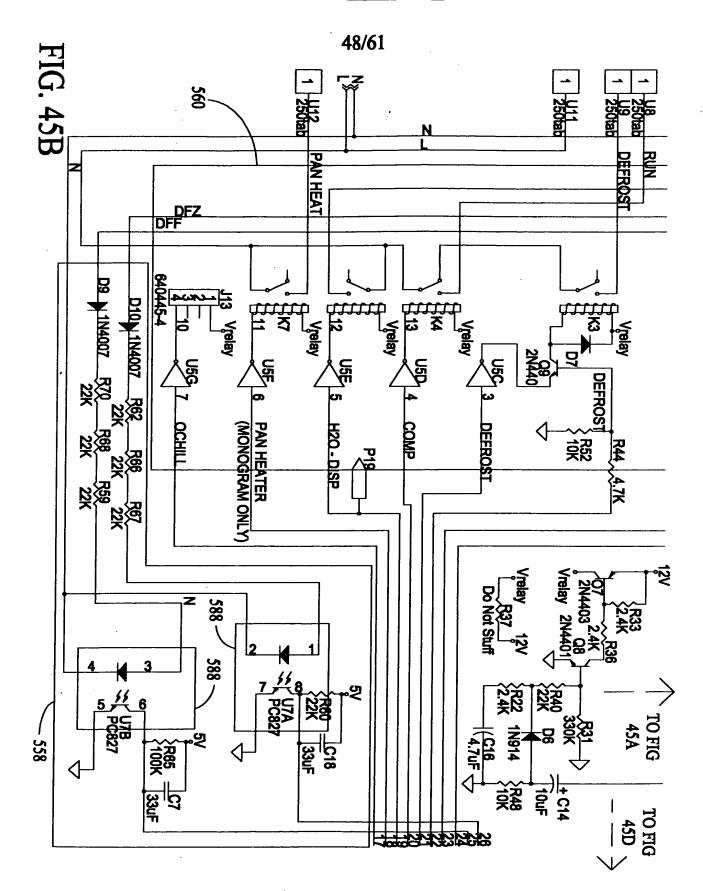
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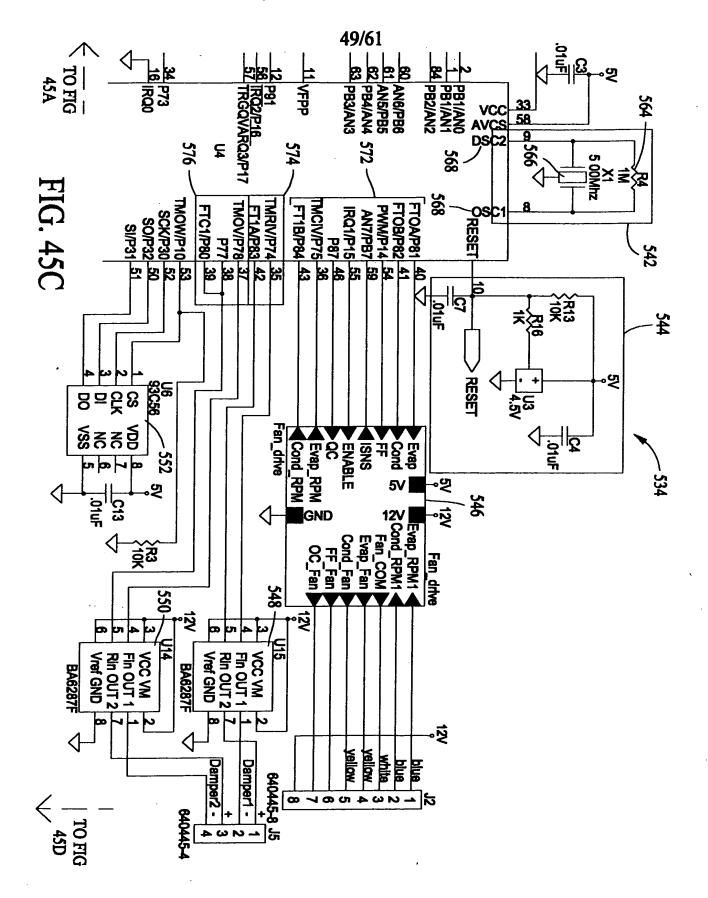
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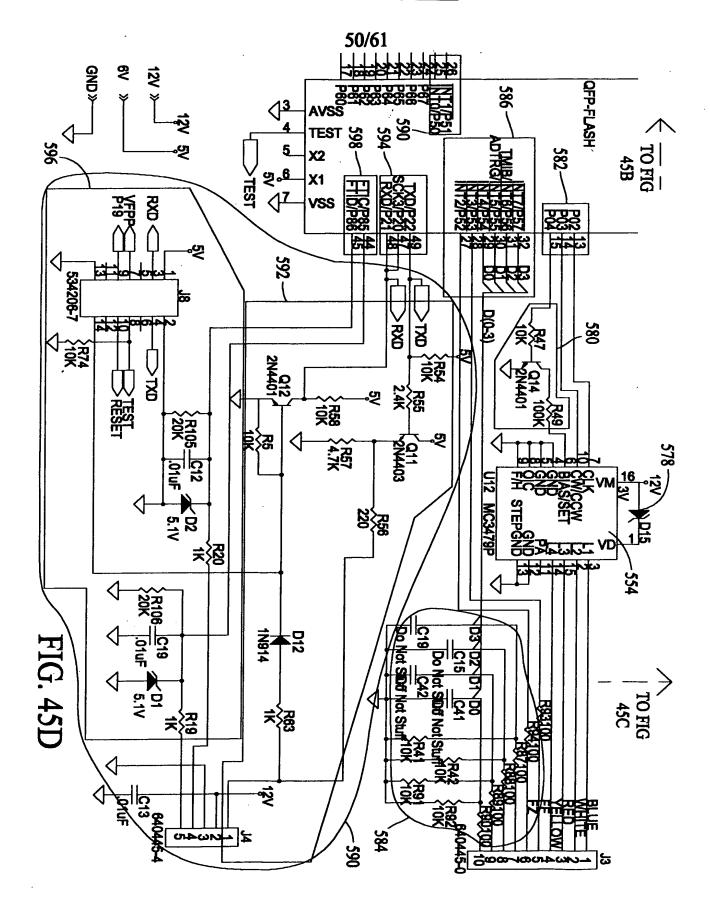
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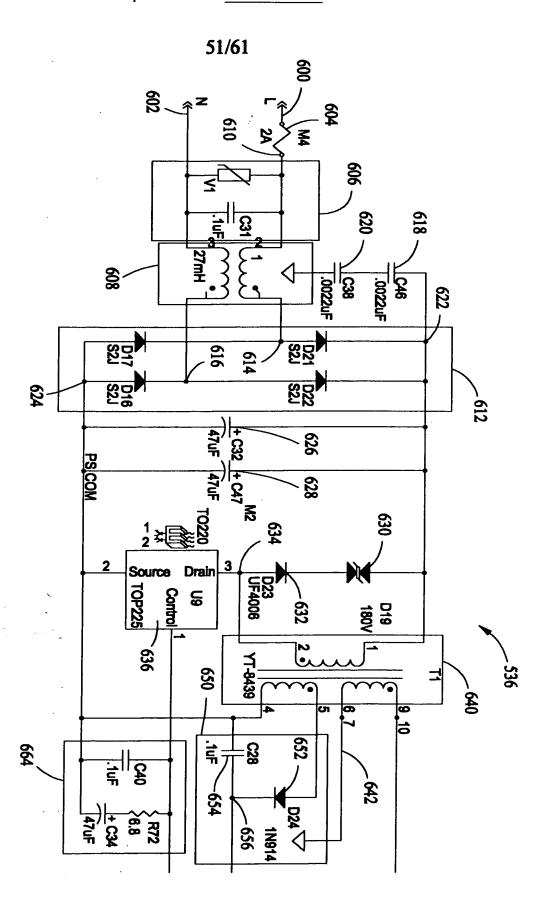
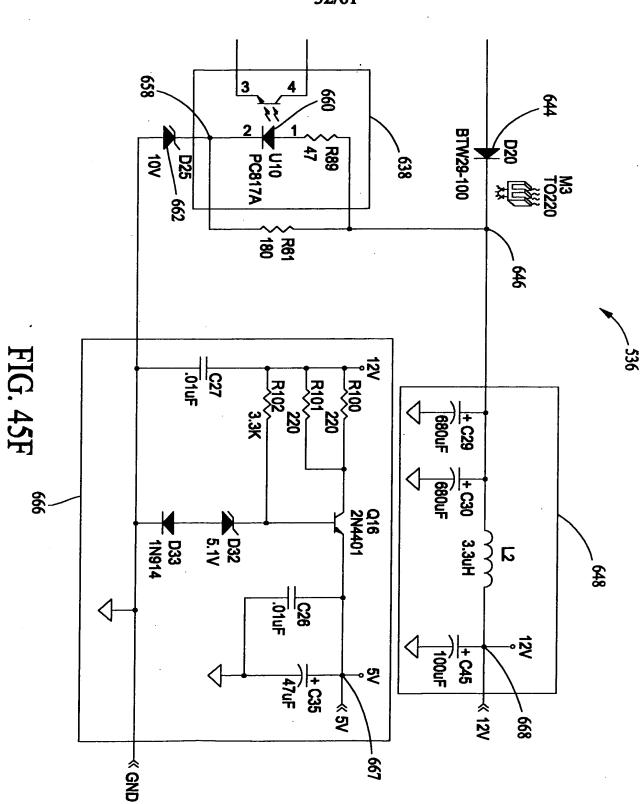


FIG. 45E



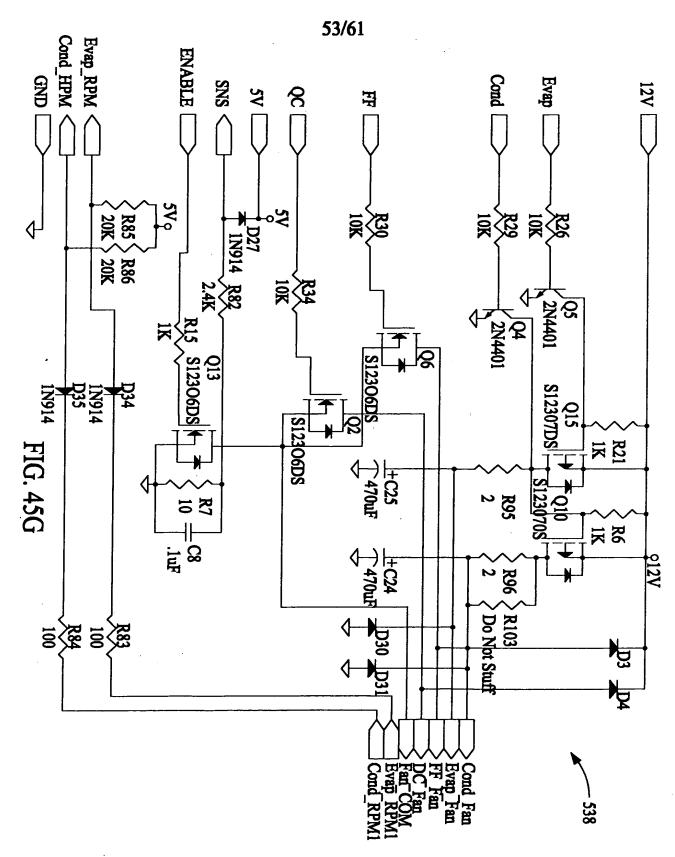
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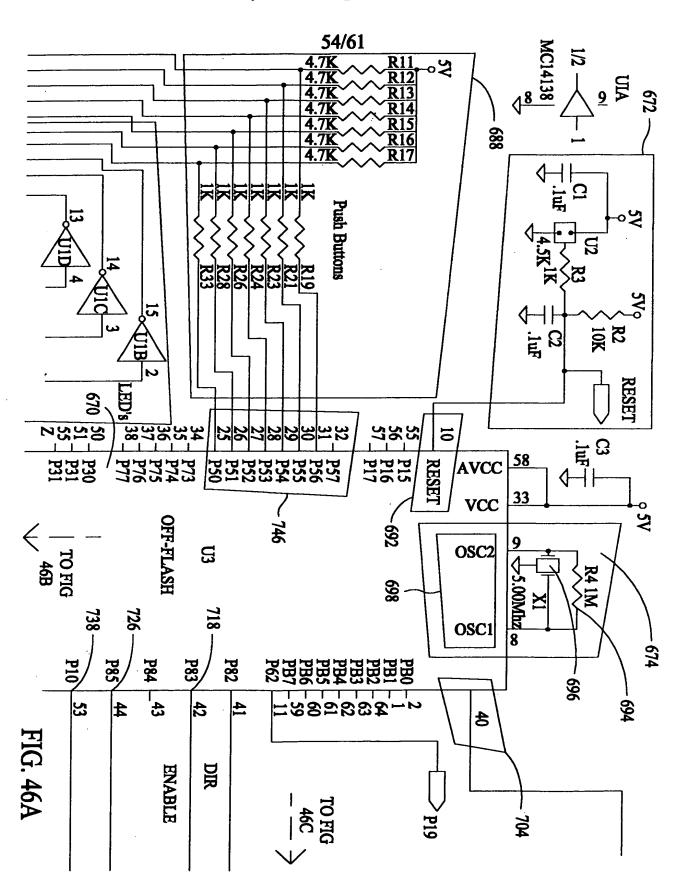
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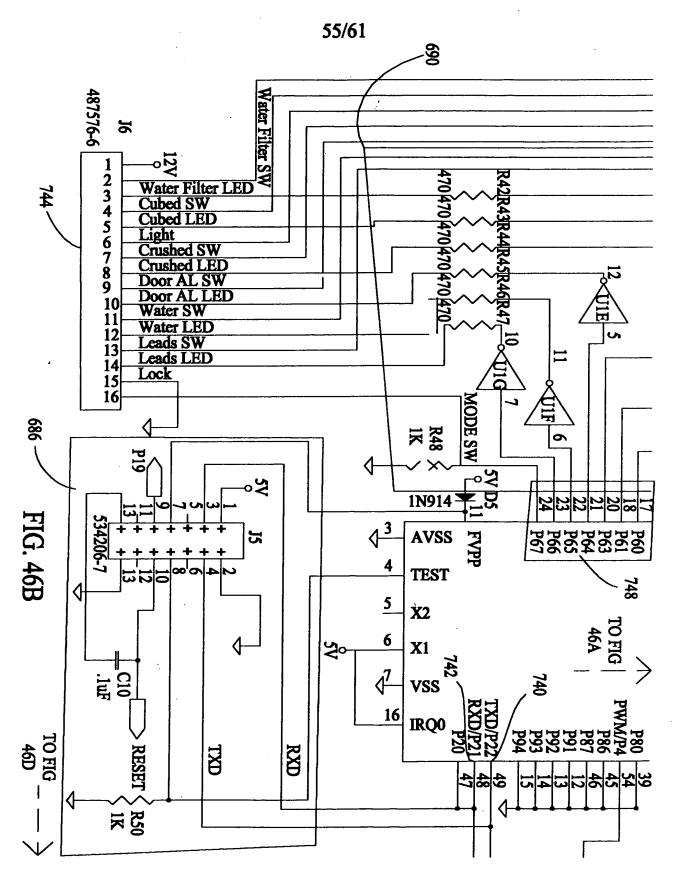




Appl.: Holmes, et al.; Serial No.: 09/742,545; Filed: 12/22/2000 Atty. Dkt. No.: 9D-HR-19396; For: REFRIGERATOR -

ELECTRONICS ARCHITECTURE;

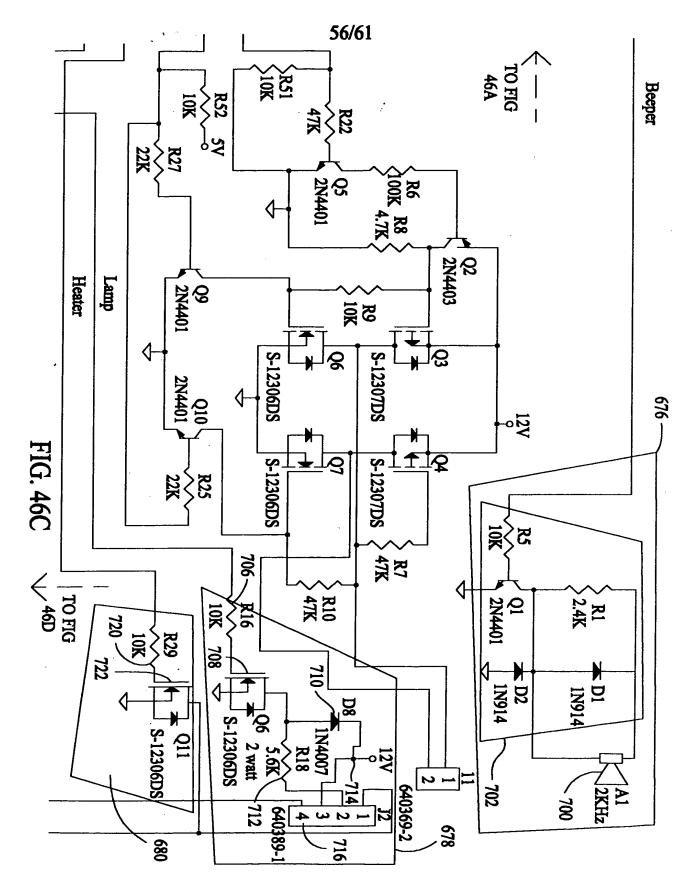
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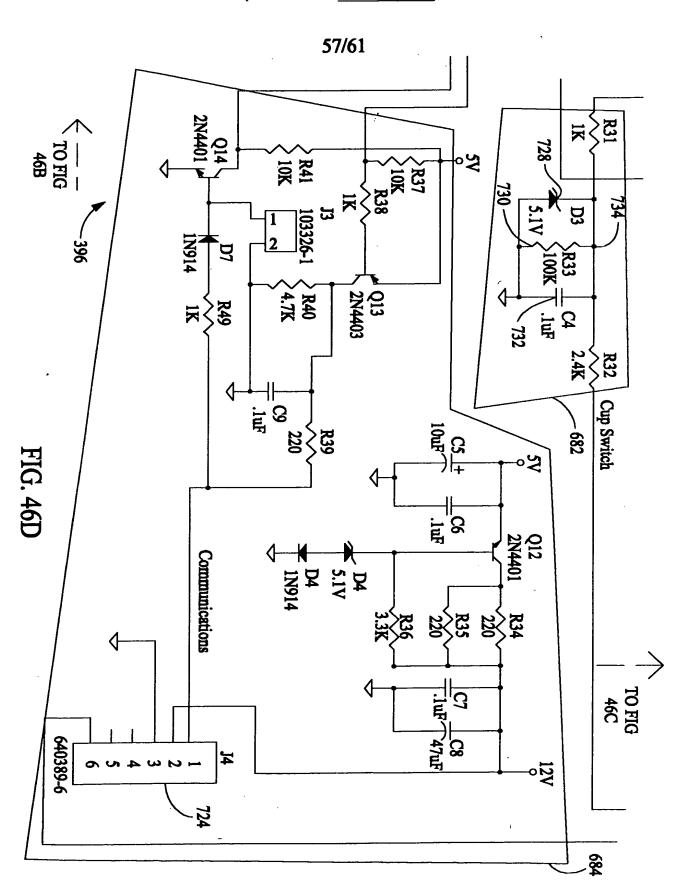
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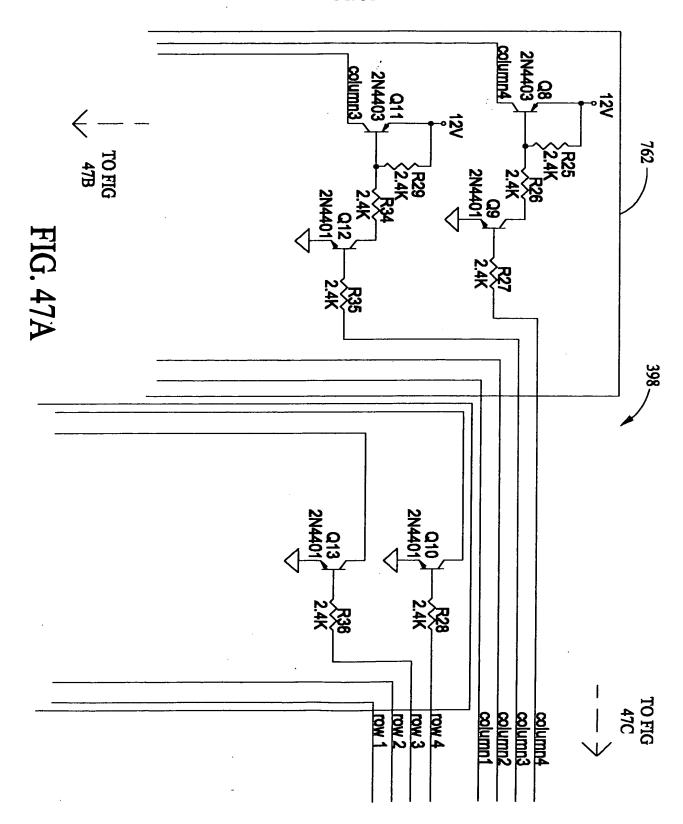




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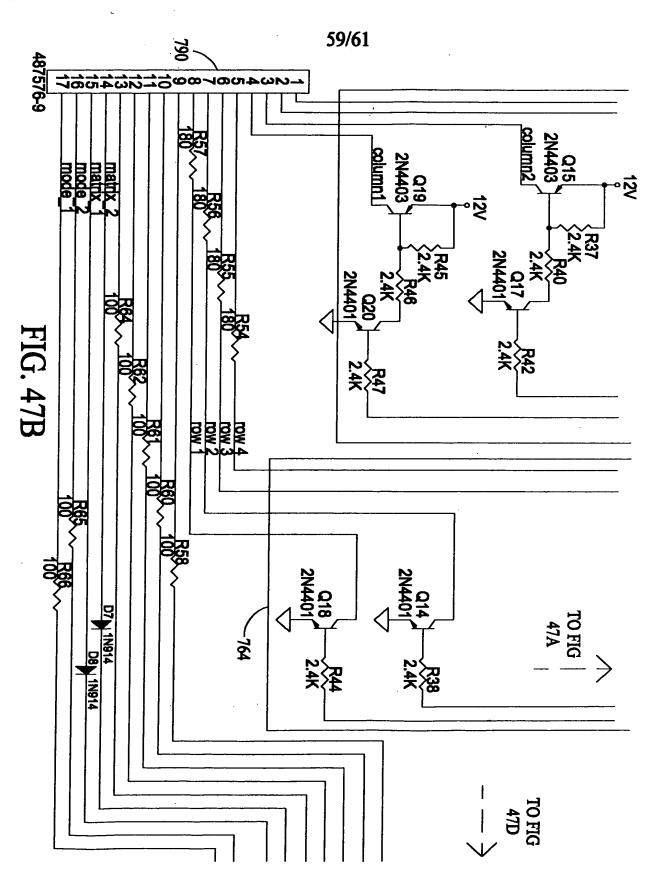




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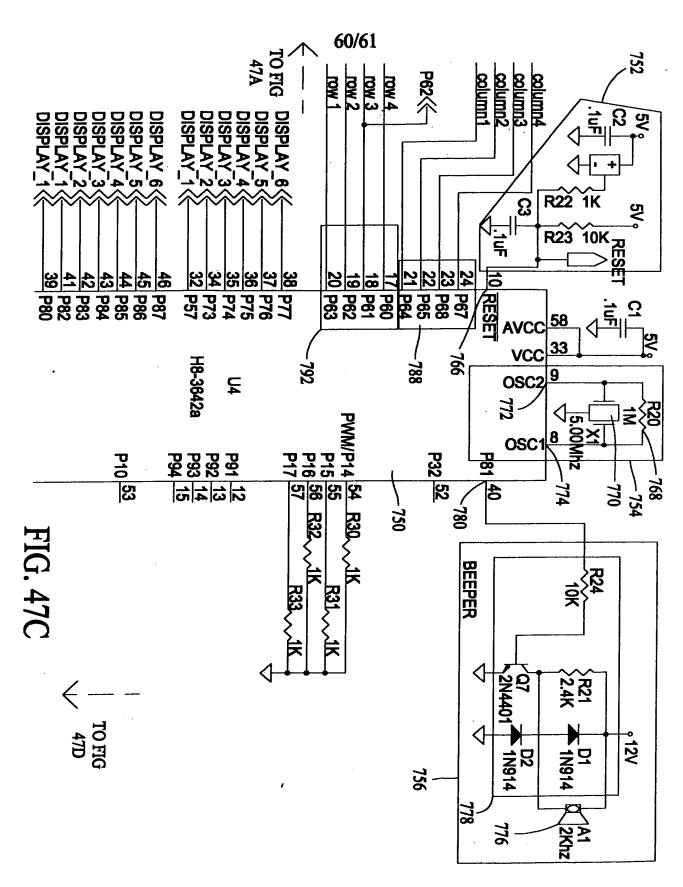
ELECTRONICS ARCHITECTURE;

Thomas M. Fisher; ARMSTRONG TEASDALE LLP One Metropolitan Square, Suite 2600, St. Louis MO 63102 (314) 621-5070



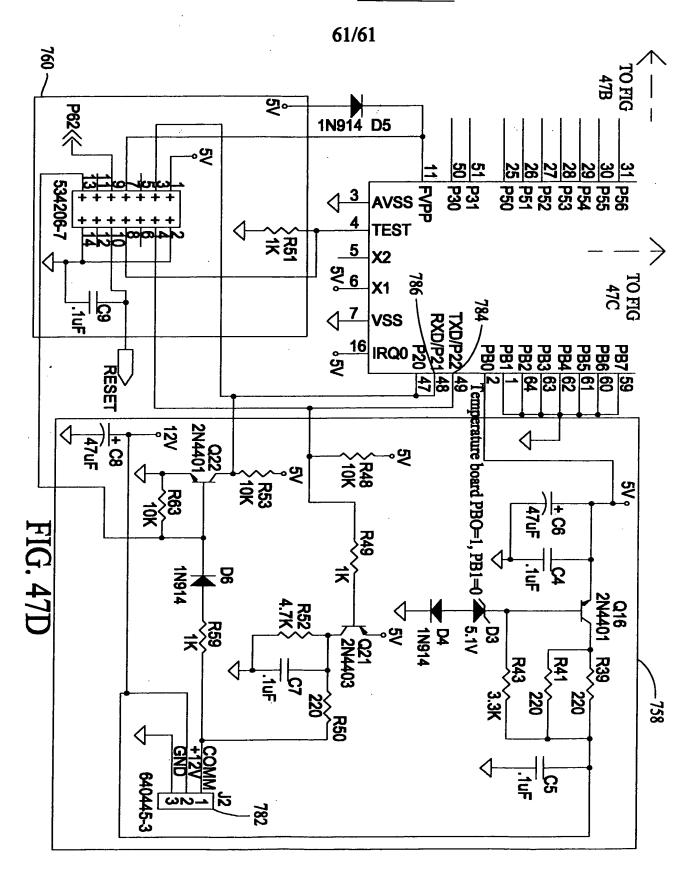


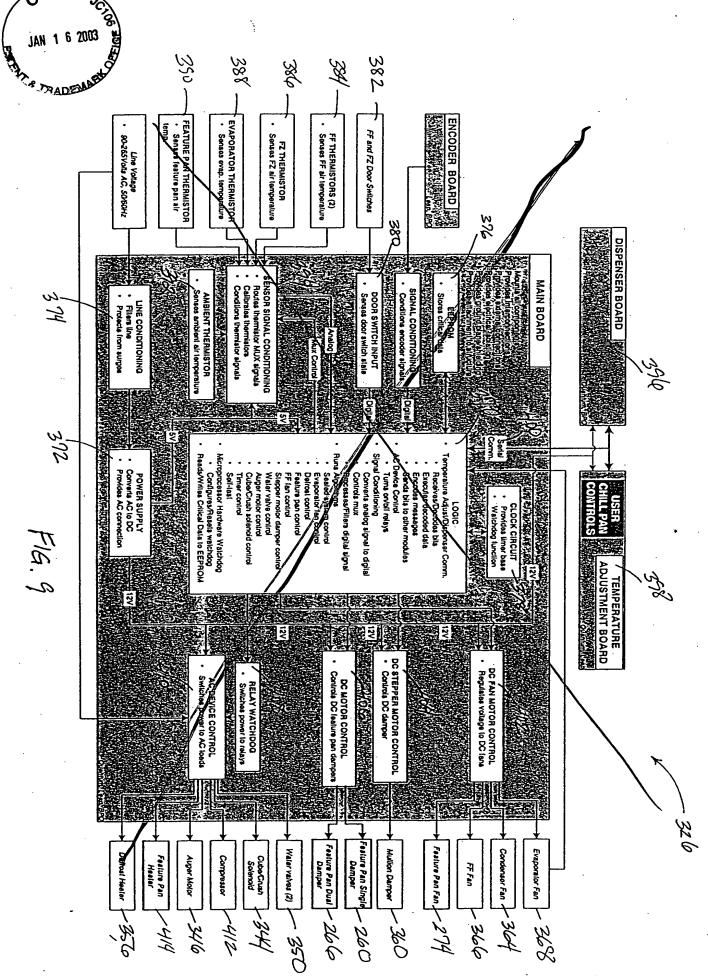
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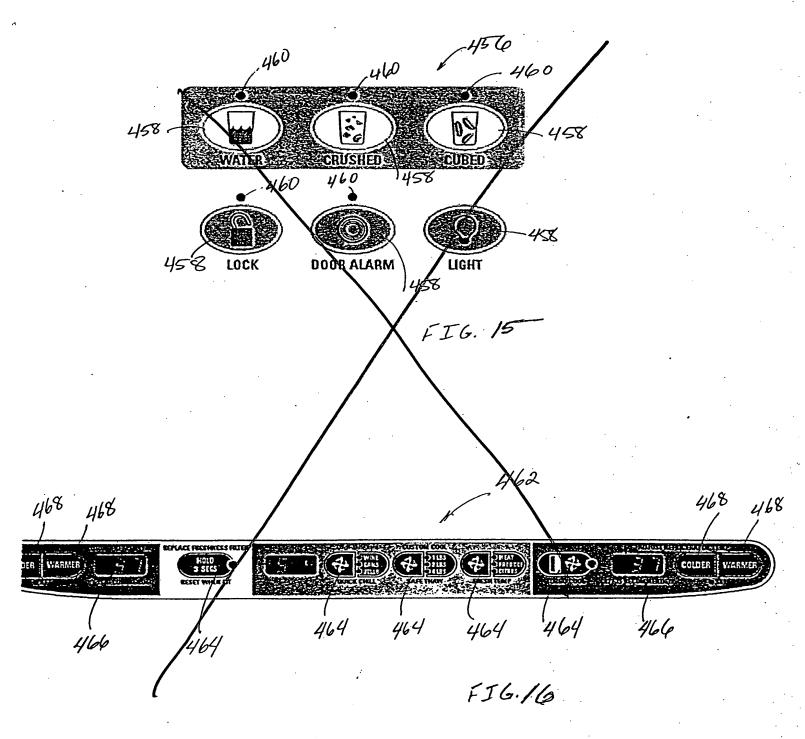


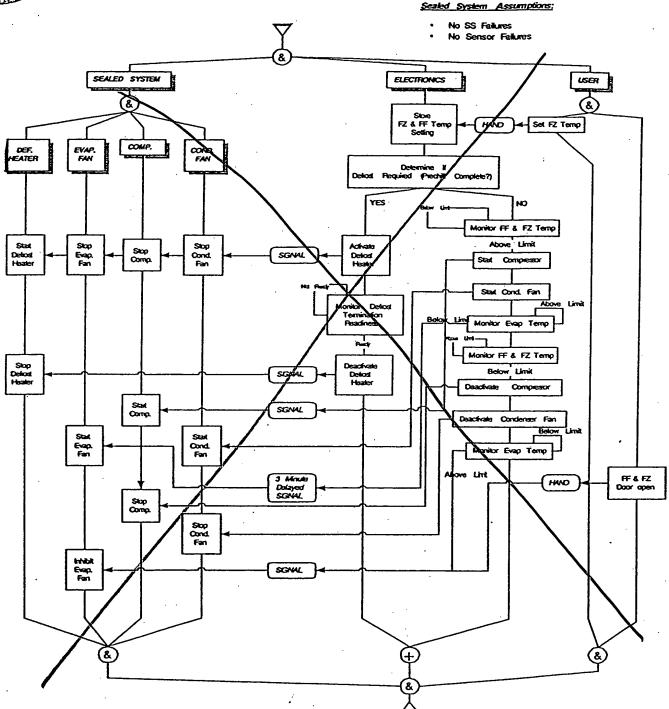
Thomas M. Fisher; ARMSTRONG TEASDALE LLP One Metropolitan Square, Suite 2600, St. Louis MO 63102 (314) 621-5070







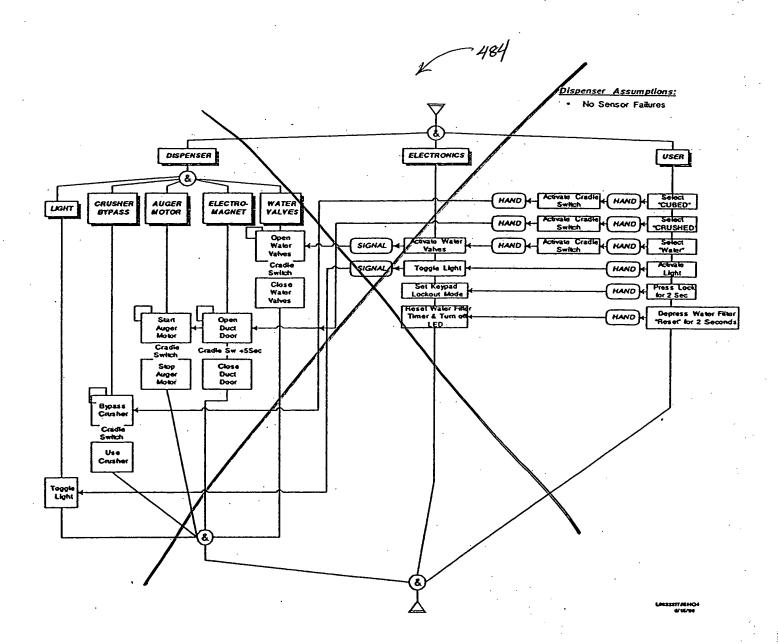




. Sealed System Behavior Diagram

Fig 18





Dispenser Behavior



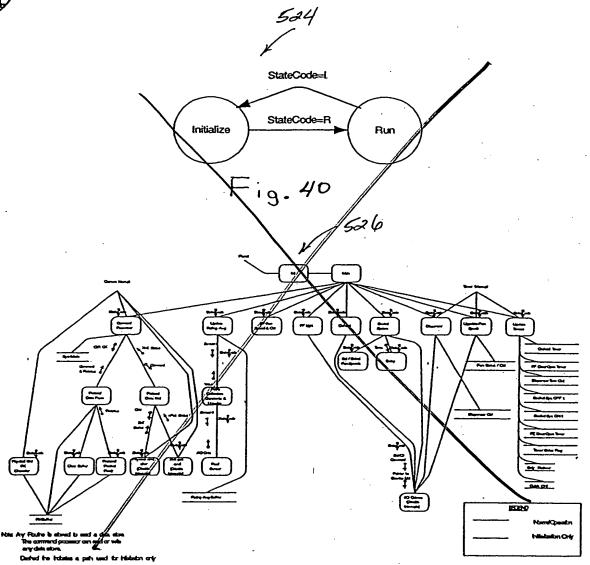


Fig. 41



HMI Structure

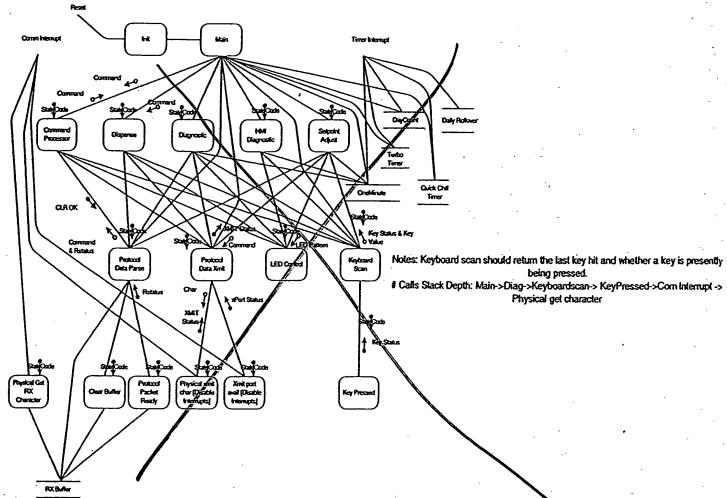
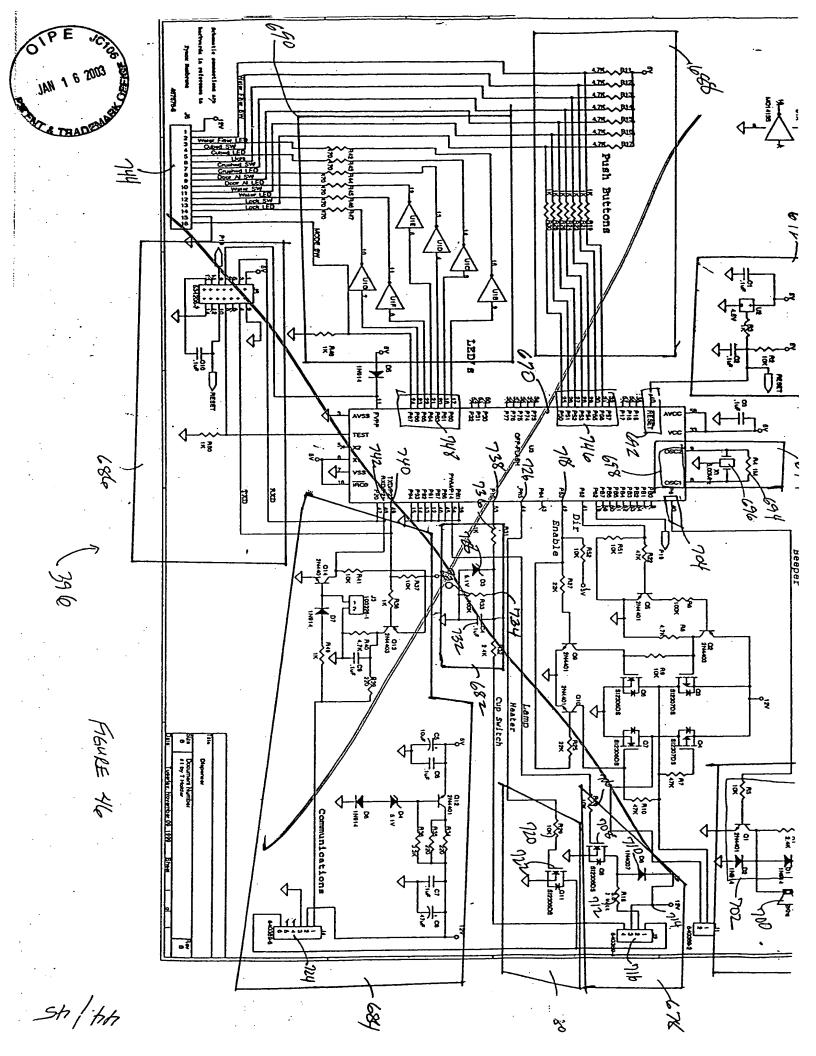
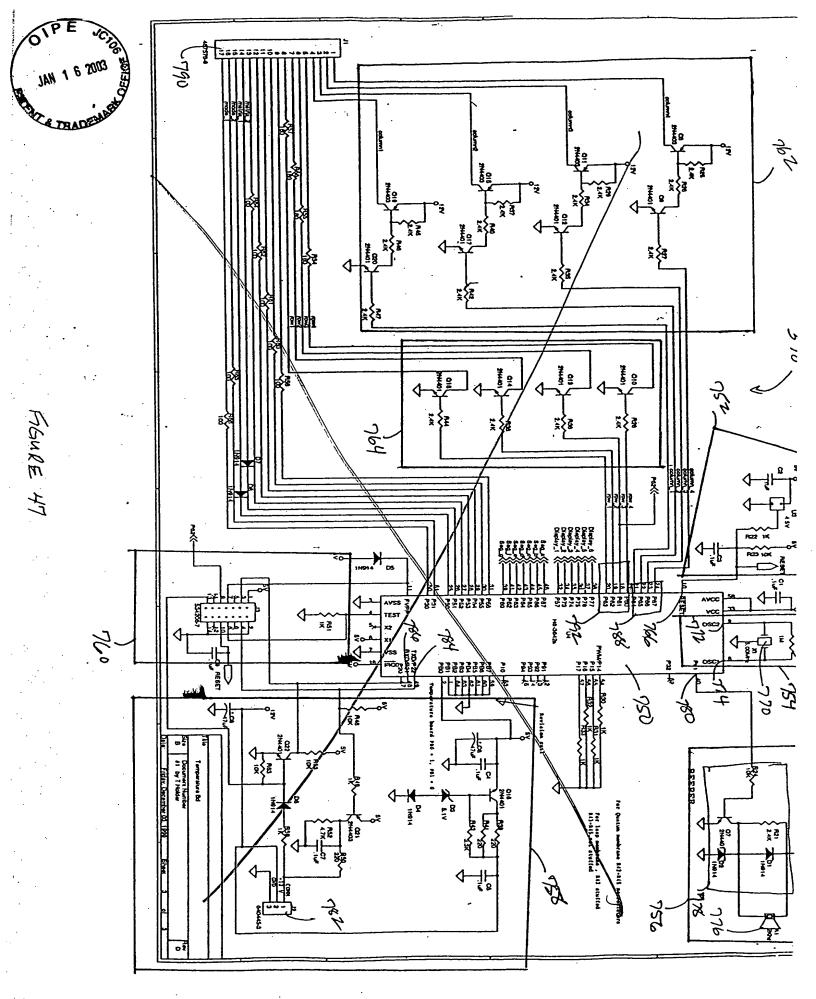


Fig. 44





-St /st



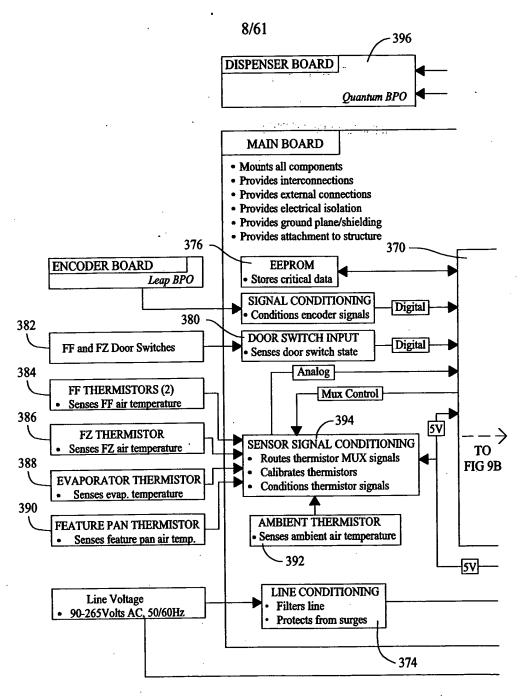
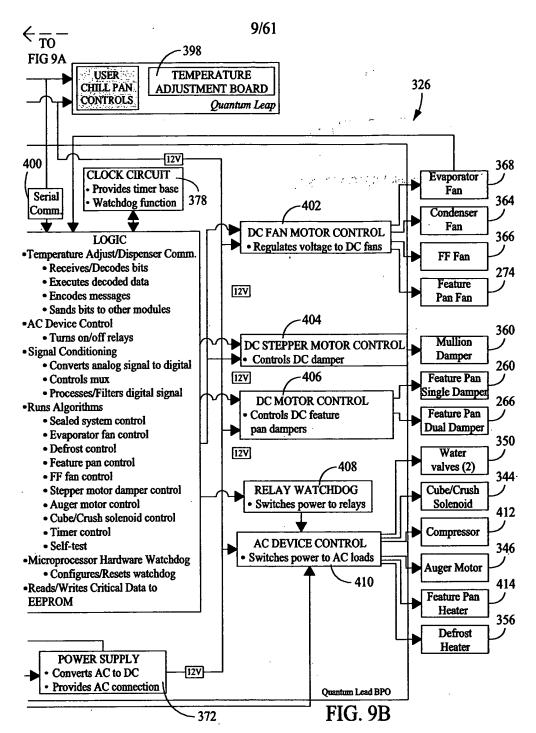


FIG. 9A

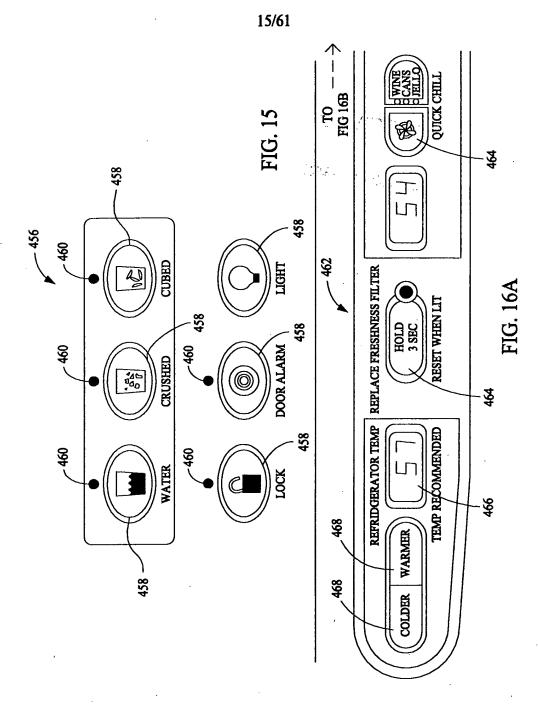




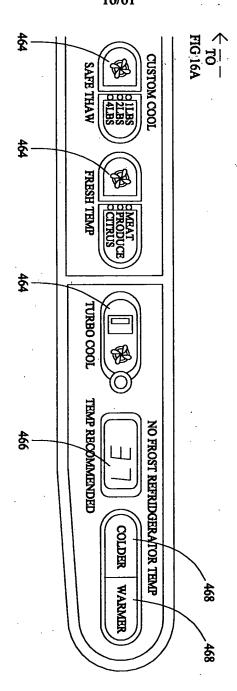


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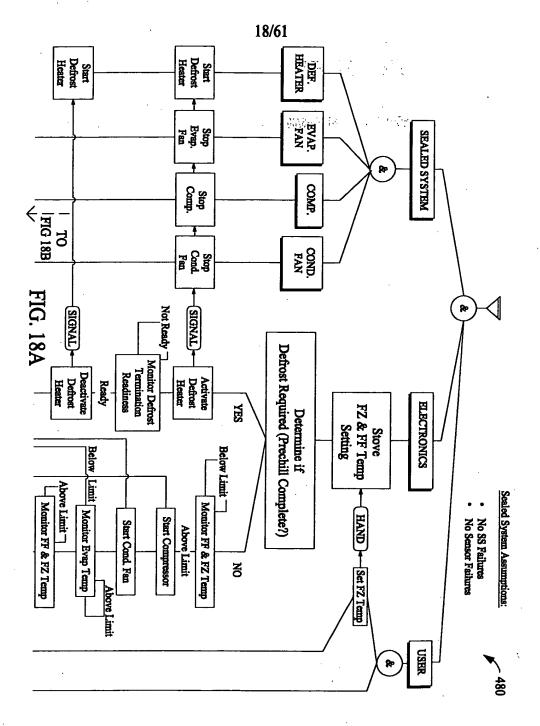




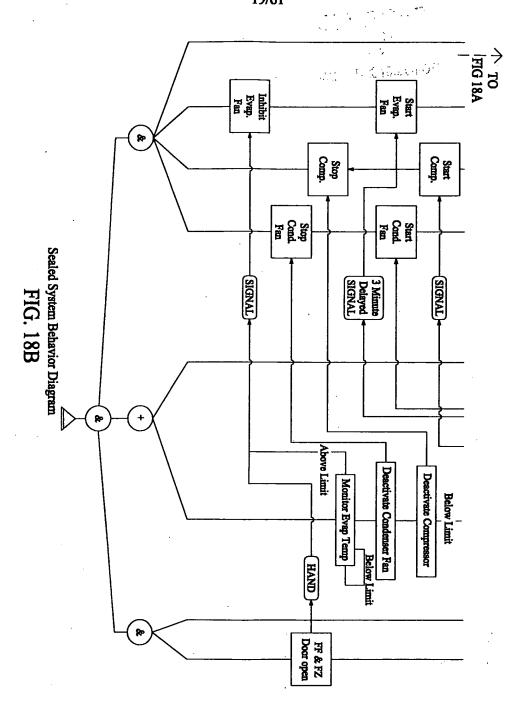


IG. 16B

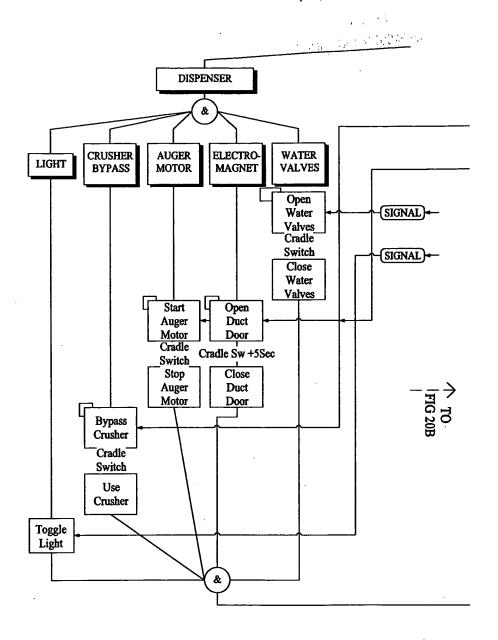






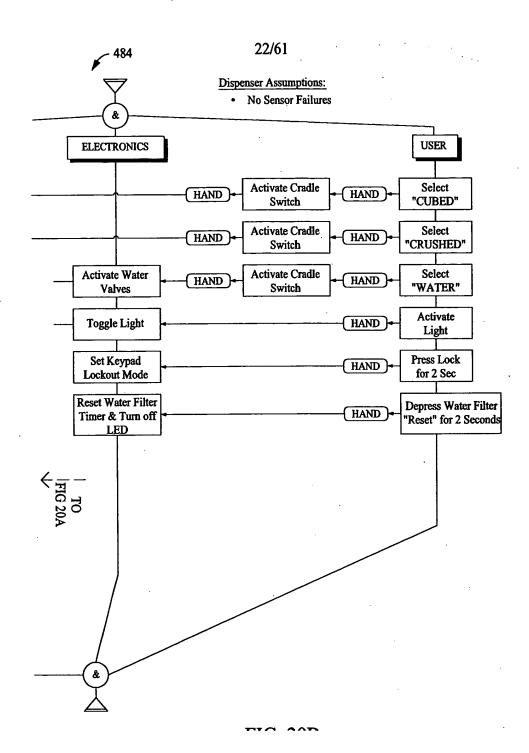






Dispenser Behavior

FIG. 20A

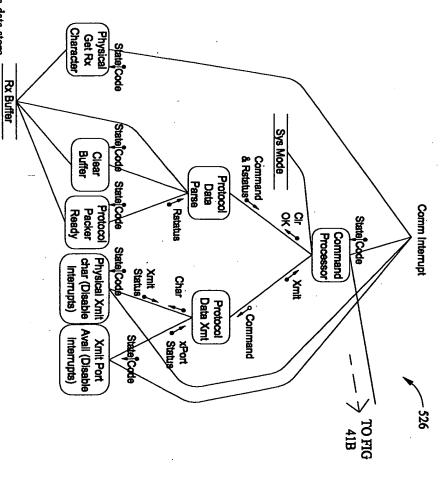




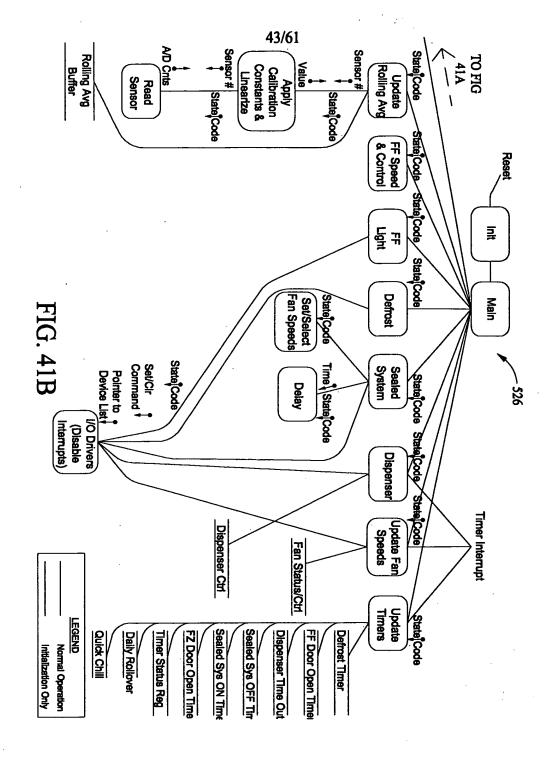
Note: Any Routine is allowed to read a data store
The command processor can read or write

Dashed line indicates a path for initialization only any data store.

FIG. 41A



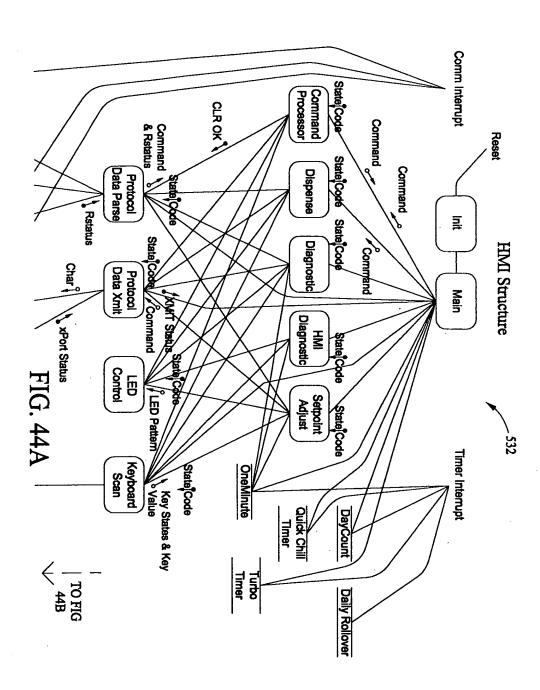




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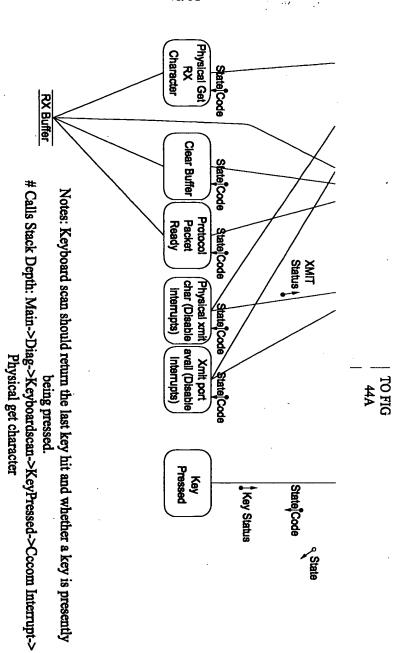
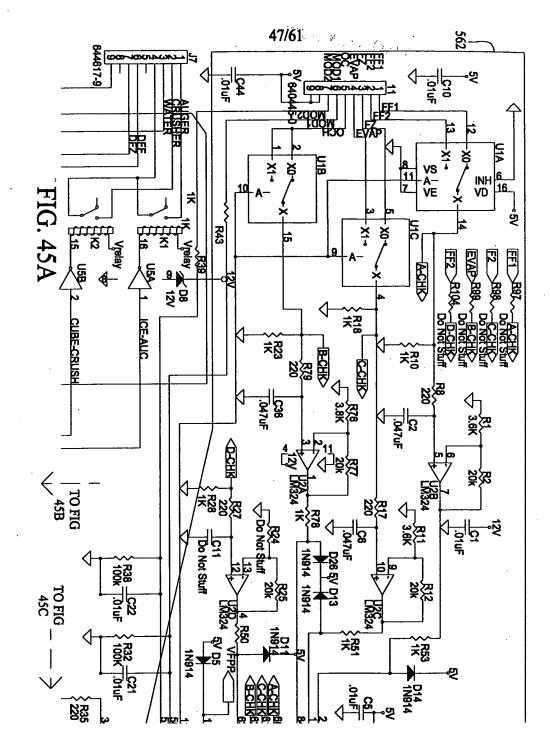
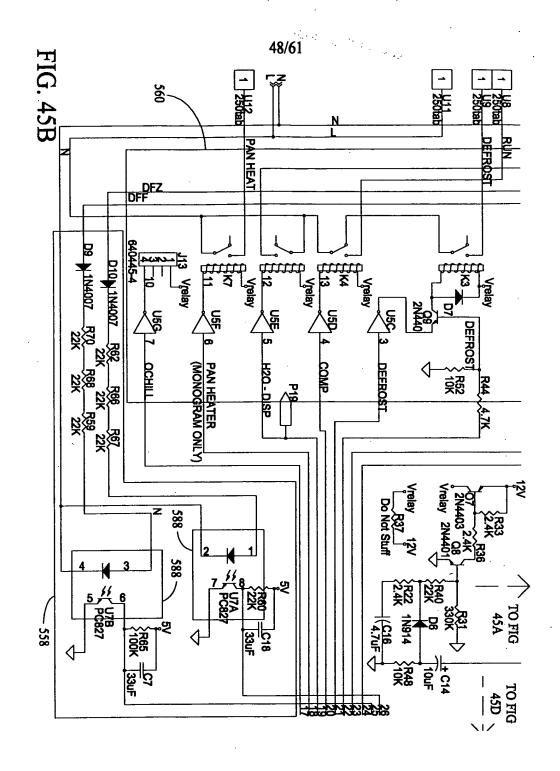


FIG. 44B



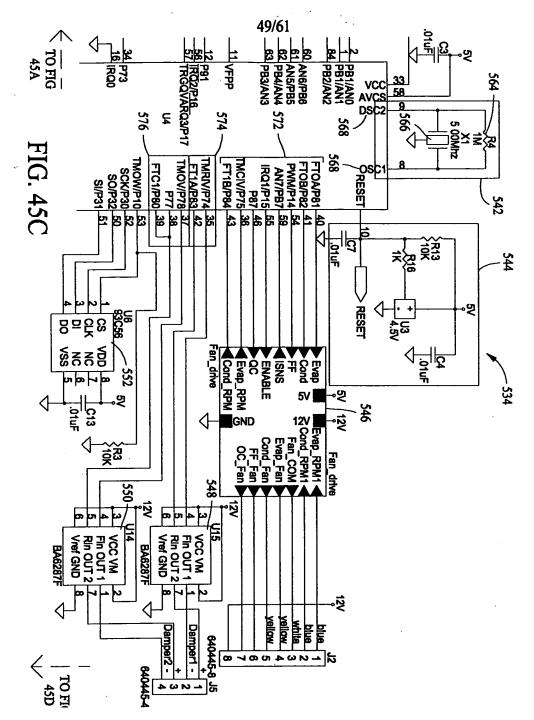




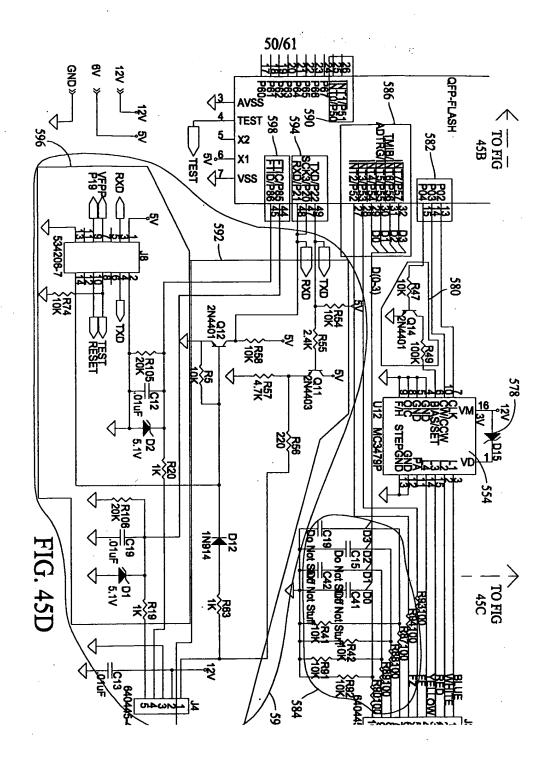




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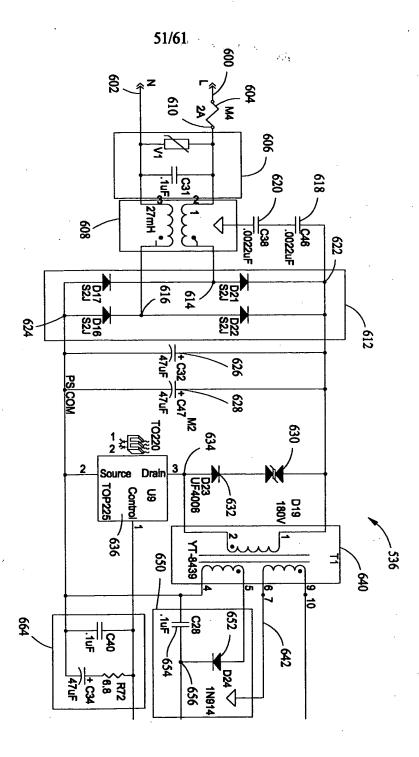
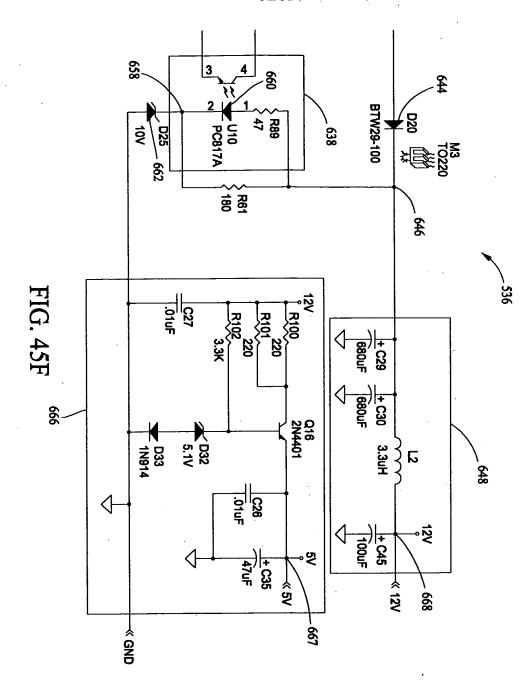
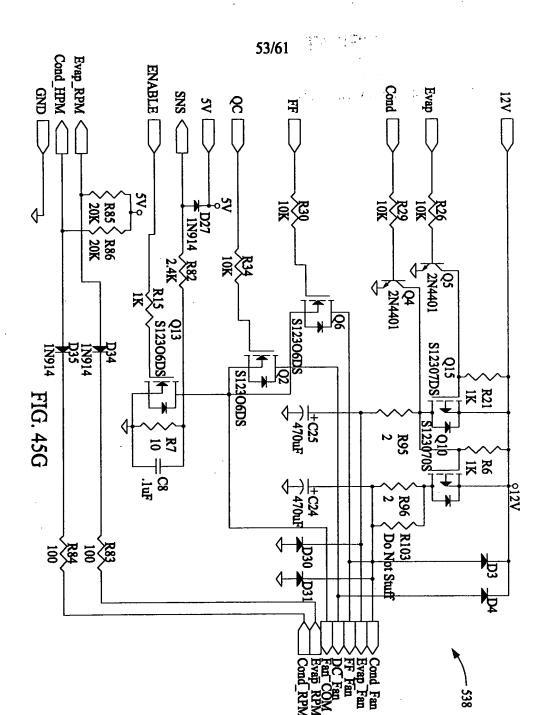


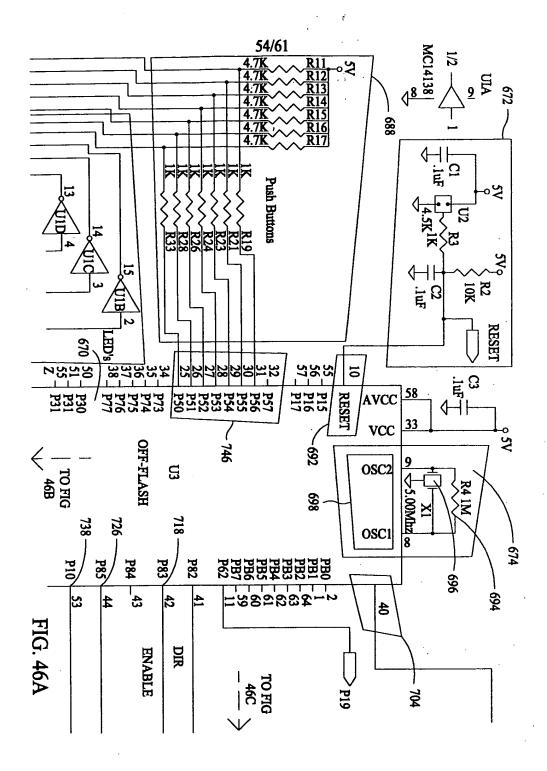
FIG. 45E

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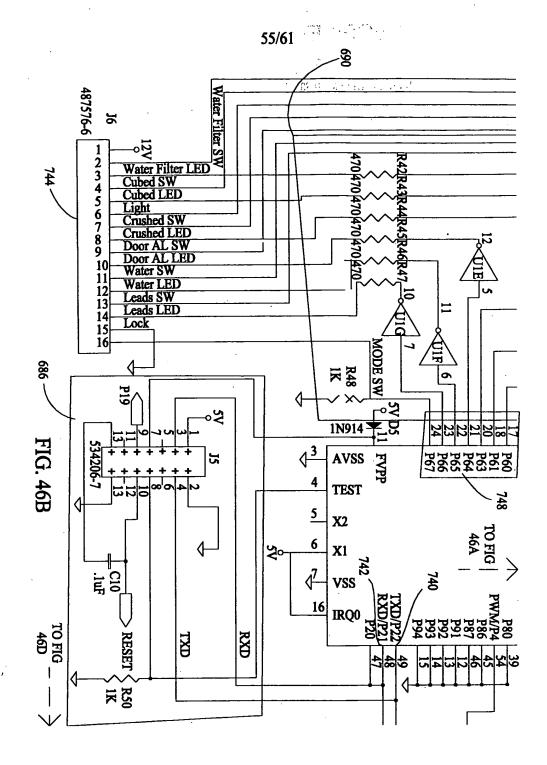




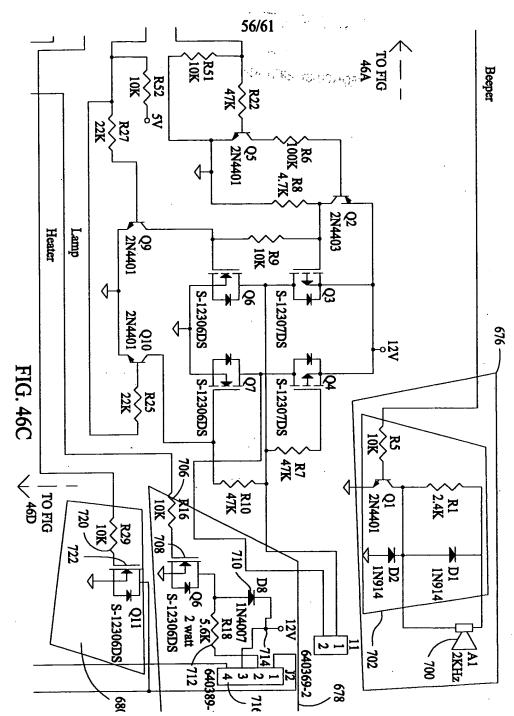






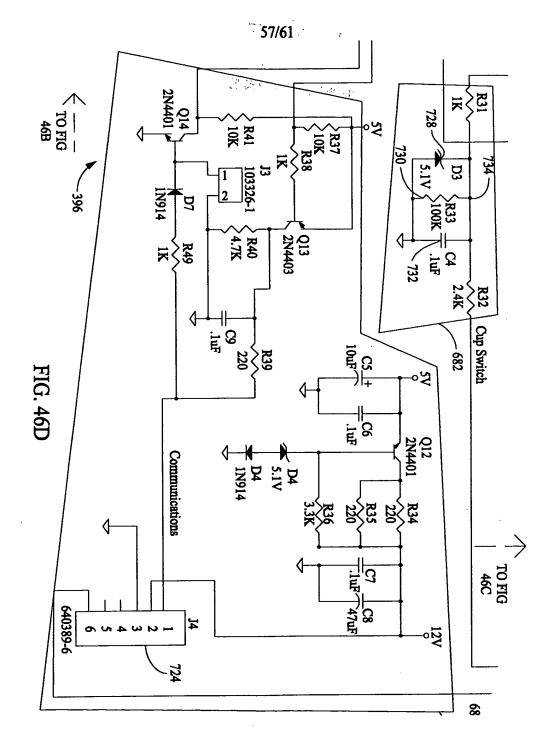








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